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OM protein - protein search, using sw model

Run on: March 7, 2006, 13:09:35 ; Search time 25 Seconds  
(without alignments)  
1114.468 Million cell updates/sec

Title: US-10-063-584-74  
Perfect score: 337  
Sequence: 1 MLPSALLLEVIWILADGQ.....KRLNKRKSVFTSQATTEA 337

Scoring table: OLIGO  
Gapop 60.0 , Gapext 60.0

Searched: 572060 seqs, 82675679 residues

Word size : 0

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 1500 summaries

Database :

- 1: Issued Patents AA:\*
- 2: /cgn2\_6/ptodata/1/iaa/5 COMB.pep:\*
- 3: /cgn2\_6/ptodata/1/iaa/6 COMB.pep:\*
- 4: /cgn2\_6/ptodata/1/iaa/H\_COMB.pep:\*
- 5: /cgn2\_6/ptodata/1/iaa/RE\_COMB.pep:\*
- 6: /cgn2\_6/ptodata/1/iaa/backfill1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	337	100.0	337	2	US-10-012-231A-423
2	337	100.0	337	2	US-10-015-389A-423
3	337	100.0	337	2	US-10-015-389A-423
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9	337	100.0	337	2	US-10-015-389A-423
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11	337	100.0	337	2	US-10-015-389A-423
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32	8	2.4	262	2	US-08-081-929-8	Sequence 8, Appl
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91	8	2.4	123	2	US-09-134-000C-6036	Sequence 6036, Ap
92	8	2.4	135	2	US-09-513-999C-4373	Sequence 4373, Ap
93	8	2.4	135	2	US-10-037-417-56	Sequence 56, Appl
94	8	2.4	143	2	US-09-270-767-44294	Sequence 44294, A
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102	7	2.1	199	2	US-10-270-876-18	Sequence 18, Appl	175	7	2.1	1026	2	US-09-623-551-18	Sequence 18, Appl
103	7	2.1	227	2	US-09-252-991A-20634	Sequence 20634, A	176	7	2.1	1027	2	US-09-162-021B-2	Sequence 2, Appl1
104	7	2.1	234	2	US-09-107-632A-5283	Sequence 5283, Ap	177	7	2.1	1027	2	US-10-268-051-8	Sequence 8, Appl1
105	7	2.1	259	1	US-08-015-973-5	Sequence 5, Appl1	178	7	2.1	1027	2	US-10-125-772-2	Sequence 2, Appl1
106	7	2.1	259	1	US-08-448-164-5	Sequence 5, Appl1	179	7	2.1	1384	2	US-09-949-016-7814	Sequence 7814, Ap
107	7	2.1	259	2	US-08-081-929-5	Sequence 5, Appl1	180	7	2.1	1634	2	US-10-037-417-49	Sequence 49, Appl1
108	7	2.1	259	2	US-10-000-954-5	Sequence 5, Appl1	181	7	2.1	1640	2	US-10-037-417-8	Sequence 8, Appl1
109	7	2.1	260	1	US-08-015-986A-9	Sequence 9, Appl1	182	7	2.1	2154	2	US-08-841-349-4	Sequence 4, Appl1
110	7	2.1	260	1	US-08-446-363-9	Sequence 9, Appl1	183	7	2.1	2154	2	US-09-431-184A-4	Sequence 4, Appl1
111	7	2.1	260	2	US-08-927-128-4	Sequence 4, Appl1	184	7	2.1	2156	2	US-09-949-016-10828	Sequence 10828, A
112	7	2.1	260	2	US-09-976-594-644	Sequence 644, App	185	7	2.1	2349	2	US-09-538-092-914	Sequence 914, App
113	7	2.1	261	1	US-08-015-973-9	Sequence 9, Appl1	186	7	2.1	2364	2	US-09-538-092-1243	Sequence 1243, App
114	7	2.1	261	1	US-08-448-164-9	Sequence 9, Appl1	187	7	2.1	3597	2	US-10-037-417-6	Sequence 6, Appl1
115	7	2.1	261	2	US-08-081-929-9	Sequence 9, Appl1	188	7	2.1	3600	2	US-10-037-417-2	Sequence 2, Appl1
116	7	2.1	261	2	US-10-000-954-9	Sequence 9, Appl1	189	7	2.1	3647	2	US-09-949-016-10932	Sequence 10932, A
117	7	2.1	261	2	US-09-949-016-6599	Sequence 6599, Ap	190	7	2.1	3655	2	US-10-037-182-1	Sequence 2, Appl1
118	7	2.1	287	2	US-09-949-016-10412	Sequence 10412, A	191	6	1.8	8	1	US-07-876-280-11	Sequence 11, Appl
119	7	2.1	288	1	US-08-595-868C-12	Sequence 12, Appl	192	6	1.8	8	1	US-07-968-781A-61	Sequence 61, Appl
120	7	2.1	288	2	US-09-139-819A-12	Sequence 12, Appl	193	6	1.8	8	1	US-08-158-232-14	Sequence 14, Appl
121	7	2.1	288	2	US-09-750-913-12	Sequence 12, Appl	194	6	1.8	8	1	US-08-304-626-14	Sequence 14, Appl
122	7	2.1	288	2	US-09-949-016-8850	Sequence 8850, Ap	195	6	1.8	8	1	US-08-316-301A-15	Sequence 15, Appl
123	7	2.1	291	2	US-09-252-991A-31047	Sequence 31047, A	196	6	1.8	8	1	US-08-611-928-14	Sequence 14, Appl
124	7	2.1	314	2	US-09-830-433A-40	Sequence 40, Appl	197	6	1.8	8	2	US-09-173-891-14	Sequence 14, Appl
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127	7	2.1	328	2	US-10-020-445A-358	Sequence 358, App	200	6	1.8	8	2	PCT-US92-03624-15	Sequence 15, Appl
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130	7	2.1	333	2	US-09-949-016-10715	Sequence 10715, A	203	6	1.8	19	2	US-09-183-062-63	Sequence 63, Appl
131	7	2.1	334	2	US-09-543-681A-7174	Sequence 7174, Ap	204	6	1.8	19	2	US-09-839-884-63	Sequence 63, Appl
132	7	2.1	339	2	US-09-252-991A-18797	Sequence 18797, A	205	6	1.8	23	1	US-08-437-841-11	Sequence 11, Appl
133	7	2.1	364	2	US-09-107-532A-5044	Sequence 5044, Ap	206	6	1.8	23	1	US-08-286-521-11	Sequence 11, Appl
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136	7	2.1	380	2	US-09-248-796A-14466	Sequence 14466, A	209	6	1.8	23	2	US-08-951-200A-4	Sequence 4, Appl1
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143	7	2.1	446	2	US-09-303-518D-628	Sequence 628, App	216	6	1.8	27	1	US-08-436-175-8	Sequence 8, Appl1
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145	7	2.1	477	2	US-09-876-221-2	Sequence 2, Appl1	218	6	1.8	27	2	US-09-741-106-8	Sequence 8, Appl1
146	7	2.1	503	2	US-09-634-238-267	Sequence 267, App	219	6	1.8	27	4	PCT-US95-09464-8	Sequence 8, Appl1
147	7	2.1	503	2	US-09-489-039A-10722	Sequence 10722, A	220	6	1.8	28	2	US-09-471-276-1193	Sequence 1193, Ap
148	7	2.1	503	2	US-09-569-611C-49	Sequence 49, Appl	221	6	1.8	30	2	US-09-259-478A-3	Sequence 3, Appl1
149	7	2.1	524	2	US-09-949-016-7405	Sequence 7405, Ap	222	6	1.8	30	2	US-09-259-478A-19	Sequence 19, Appl
150	7	2.1	524	2	US-09-625-188-2	Sequence 2, Appl1	223	6	1.8	32	1	US-08-015-770B-9	Sequence 9, Appl1
151	7	2.1	528	2	US-09-252-991A-22551	Sequence 22551, A	224	6	1.8	32	1	US-08-015-770B-28	Sequence 28, Appl
152	7	2.1	535	1	US-07-872-644-49	Sequence 49, Appl	225	6	1.8	39	2	US-09-270-767-62422	Sequence 62422, A
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155	7	2.1	535	1	US-08-479-532-49	Sequence 49, Appl	228	6	1.8	44	1	US-08-598-873-63	Sequence 63, Appl
156	7	2.1	535	1	US-08-455-526-49	Sequence 49, Appl	229	6	1.8	44	1	US-08-605-430-63	Sequence 63, Appl
157	7	2.1	535	1	US-08-455-525-49	Sequence 49, Appl	230	6	1.8	44	2	US-09-443-780C-34	Sequence 34, Appl
158	7	2.1	535	2	US-09-139-491-49	Sequence 49, Appl	231	6	1.8	44	2	US-09-079-723-18	Sequence 18, Appl
159	7	2.1	535	2	US-09-883-825-49	Sequence 49, Appl	232	6	1.8	44	2	US-09-717-054-63	Sequence 63, Appl
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161	7	2.1	535	4	PCT-US92-03222-49	Sequence 49, Appl	234	6	1.8	50	2	US-09-489-847-191	Sequence 191, App
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164	7	2.1	635	1	US-07-879-617A-9	Sequence 9, Appl1	237	6	1.8	53	2	US-08-836-500A-8	Sequence 8, Appl1
165	7	2.1	635	1	US-08-753-985-9	Sequence 9, Appl1	238	6	1.8	53	2	US-09-679-750-8	Sequence 8, Appl1
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167	7	2.1	667	1	US-08-753-985-8	Sequence 8, Appl1	240	6	1.8	67	2	US-09-270-767-56954	Sequence 56954, A
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170	7	2.1	953	2	US-09-845-583A-4	Sequence 4, Appl1	243	6	1.8	72	2	US-08-836-500A-6	Sequence 6, Appl1
171	7	2.1	953	2	US-10-037-417-50	Sequence 50, Appl	244	6	1.8	72	2	US-09-679-750-6	Sequence 6, Appl1
172	7	2.1	1012	1	US-08-475-891A-4	Sequence 4, Appl1	245	6	1.8	76	2	US-09-621-976-7097	Sequence 7097, Ap
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249	6	1.8	82	2	US-09-621-976-4586	Sequence 4586, Ap	322	6	1.8	126	1	US-08-455-972-4	Sequence 4, Appl
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251	6	1.8	83	2	US-09-270-767-34021	Sequence 34021, A	324	6	1.8	126	1	US-08-455-972-8	Sequence 8, Appl
252	6	1.8	83	2	US-09-270-767-49238	Sequence 49238, A	325	6	1.8	126	1	US-08-455-972-10	Sequence 10, Appl
253	6	1.8	91	2	US-09-621-976-4585	Sequence 4585, Ap	326	6	1.8	126	1	US-08-455-972-12	Sequence 12, Appl
254	6	1.8	94	2	US-09-107-532A-4932	Sequence 4932, Ap	327	6	1.8	126	1	US-08-455-972-14	Sequence 14, Appl
255	6	1.8	99	1	US-08-795-444-1	Sequence 1, Appl	328	6	1.8	126	2	US-09-621-976-4814	Sequence 4814, Ap
256	6	1.8	99	2	US-09-252-991A-16637	Sequence 16637, A	329	6	1.8	126	4	PCT-US92-00652-2	Sequence 2, Appl
257	6	1.8	99	2	US-09-489-039A-7903	Sequence 7903, Ap	330	6	1.8	126	4	PCT-US92-00652-4	Sequence 4, Appl
258	6	1.8	99	2	US-09-621-976-7096	Sequence 7096, Ap	331	6	1.8	126	4	PCT-US92-00652-6	Sequence 6, Appl
259	6	1.8	100	2	US-09-134-000C-4349	Sequence 4349, Ap	332	6	1.8	126	4	PCT-US92-00652-8	Sequence 8, Appl
260	6	1.8	101	2	US-09-248-796A-27879	Sequence 27879, A	333	6	1.8	126	4	PCT-US92-00652-10	Sequence 10, Appl
261	6	1.8	103	2	US-09-513-999C-7653	Sequence 7653, Ap	334	6	1.8	126	4	PCT-US92-00652-12	Sequence 12, Appl
262	6	1.8	104	2	US-09-270-767-40174	Sequence 40174, A	335	6	1.8	126	4	PCT-US92-00652-14	Sequence 14, Appl
263	6	1.8	104	2	US-09-270-767-55390	Sequence 55390, A	336	6	1.8	127	4	US-08-637-7598-198	Sequence 188, App
264	6	1.8	104	2	US-09-513-999C-8102	Sequence 8102, Ap	337	6	1.8	127	2	US-08-871-355A-198	Sequence 198, App
265	6	1.8	105	2	US-09-270-767-58930	Sequence 58930, A	338	6	1.8	127	2	US-09-201-945-198	Sequence 198, App
266	6	1.8	106	2	US-09-621-976-5919	Sequence 5919, Ap	339	6	1.8	128	2	US-08-905-223-306	Sequence 306, App
267	6	1.8	106	2	US-10-104-047-3049	Sequence 3049, Ap	340	6	1.8	128	2	US-09-482-273-109	Sequence 109, App
268	6	1.8	107	2	US-10-104-047-2122	Sequence 2122, Ap	341	6	1.8	130	2	US-09-270-767-43485	Sequence 43485, A
269	6	1.8	108	2	US-09-513-999C-6868	Sequence 6868, Ap	342	6	1.8	133	2	US-09-270-767-59538	Sequence 59538, A
270	6	1.8	109	1	US-08-646-981-6	Sequence 6, Appl	343	6	1.8	136	2	US-09-205-258-465	Sequence 465, App
271	6	1.8	114	2	US-09-270-767-38697	Sequence 38697, A	344	6	1.8	136	2	US-10-004-860-465	Sequence 465, App
272	6	1.8	114	2	US-09-270-767-53914	Sequence 53914, A	345	6	1.8	137	2	US-09-205-258-465	Sequence 308, App
273	6	1.8	114	2	US-10-101-464A-803	Sequence 803, App	346	6	1.8	137	2	US-09-270-767-18555	Sequence 38555, A
274	6	1.8	115	2	US-09-543-681A-7346	Sequence 7346, Ap	347	6	1.8	137	2	US-09-270-767-53772	Sequence 53772, A
275	6	1.8	116	2	US-09-513-999C-7595	Sequence 7595, Ap	348	6	1.8	137	2	US-10-004-860-308	Sequence 308, App
276	6	1.8	118	2	US-09-270-767-58803	Sequence 58803, A	349	6	1.8	139	1	US-07-846-992-5	Sequence 5, Appl
277	6	1.8	118	2	US-09-311-021-158	Sequence 158, App	350	6	1.8	139	1	US-08-469-555-5	Sequence 5, Appl
278	6	1.8	118	2	US-09-949-016-7744	Sequence 7744, Ap	351	6	1.8	139	1	US-08-291-299-6	Sequence 6, Appl
279	6	1.8	120	1	US-08-869-733-3	Sequence 3, Appl	352	6	1.8	139	4	PCT-US95-10579-6	Sequence 6, Appl
280	6	1.8	120	1	US-08-869-733-4	Sequence 4, Appl	353	6	1.8	142	2	US-09-252-991A-31831	Sequence 31831, A
281	6	1.8	120	1	US-09-215-063-3	Sequence 3, Appl	354	6	1.8	143	2	US-09-621-976-7149	Sequence 7149, Ap
282	6	1.8	120	2	US-09-215-063-4	Sequence 4, Appl	355	6	1.8	143	2	US-09-424-988B-20	Sequence 20, Appl
283	6	1.8	120	2	US-09-621-976-7098	Sequence 7098, Ap	356	6	1.8	143	2	US-10-067-422-32	Sequence 32, Appl
284	6	1.8	120	2	US-10-096-703-3	Sequence 3, Appl	357	6	1.8	144	2	US-09-480-297A-16	Sequence 16, Appl
285	6	1.8	120	2	US-10-096-703-4	Sequence 4, Appl	358	6	1.8	145	2	US-08-946-329A-55	Sequence 55, Appl
286	6	1.8	120	2	US-09-248-796A-24452	Sequence 24452, A	359	6	1.8	145	2	US-09-562-914-55	Sequence 55, Appl
287	6	1.8	120	2	US-09-949-016-7860	Sequence 7860, Ap	360	6	1.8	146	2	US-09-252-991A-27552	Sequence 27552, A
288	6	1.8	121	2	US-09-513-999C-5742	Sequence 5742, Ap	361	6	1.8	146	2	US-09-949-016-6148	Sequence 1448, Ap
289	6	1.8	121	2	US-09-902-540-13863	Sequence 13863, A	362	6	1.8	146	2	US-09-902-540-15781	Sequence 15781, A
290	6	1.8	123	2	US-09-270-767-33649	Sequence 33649, A	363	6	1.8	147	2	US-09-540-236-333	Sequence 333, Ap
291	6	1.8	123	2	US-09-270-767-48866	Sequence 48866, A	364	6	1.8	147	2	US-09-270-767-33301	Sequence 33301, A
292	6	1.8	124	2	US-09-540-236-3076	Sequence 3076, Ap	365	6	1.8	149	2	US-09-732-210-1092	Sequence 1092, Ap
293	6	1.8	124	1	US-07-646-998A-2	Sequence 2, Appl	366	6	1.8	149	2	US-10-101-464A-538	Sequence 538, App
294	6	1.8	126	1	US-07-646-998A-4	Sequence 4, Appl	367	6	1.8	150	2	US-09-107-433-3841	Sequence 3841, Ap
295	6	1.8	126	1	US-07-646-998A-6	Sequence 6, Appl	368	6	1.8	152	2	US-09-107-433-3841	Sequence 3841, Ap
296	6	1.8	126	1	US-07-646-998A-8	Sequence 8, Appl	369	6	1.8	152	2	US-09-270-767-48223	Sequence 48223, A
297	6	1.8	126	1	US-07-646-998A-10	Sequence 10, Appl	370	6	1.8	153	2	US-09-270-767-32431	Sequence 32431, A
298	6	1.8	126	1	US-07-646-998A-12	Sequence 12, Appl	371	6	1.8	153	2	US-09-710-279-1100	Sequence 1100, Ap
299	6	1.8	126	1	US-07-646-998A-14	Sequence 14, Appl	372	6	1.8	153	2	US-09-909-474D-9	Sequence 9, Appl
300	6	1.8	126	1	US-08-094-128A-2	Sequence 2, Appl	373	6	1.8	157	2	US-09-835-811-5	Sequence 5, Appl
301	6	1.8	126	1	US-08-094-128A-4	Sequence 4, Appl	374	6	1.8	157	2	US-09-252-991A-23851	Sequence 23851, A
302	6	1.8	126	1	US-08-094-128A-6	Sequence 6, Appl	375	6	1.8	158	2	US-09-443-184-59	Sequence 59, Appl
303	6	1.8	126	1	US-08-094-128A-8	Sequence 8, Appl	376	6	1.8	158	2	US-09-270-767-33636	Sequence 33636, A
304	6	1.8	126	1	US-08-094-128A-10	Sequence 10, Appl	377	6	1.8	158	2	US-09-270-767-43558	Sequence 43558, A
305	6	1.8	126	1	US-08-094-128A-12	Sequence 12, Appl	378	6	1.8	158	2	US-09-270-767-43558	Sequence 43558, A
306	6	1.8	126	1	US-08-094-128A-14	Sequence 14, Appl	379	6	1.8	159	2	US-09-252-991A-3263	Sequence 3263, A
307	6	1.8	126	1	US-08-455-674-2	Sequence 2, Appl	380	6	1.8	159	2	US-09-328-352-8220	Sequence 8220, Ap
308	6	1.8	126	1	US-08-455-674-4	Sequence 4, Appl	381	6	1.8	159	2	US-10-101-464A-597	Sequence 597, App
309	6	1.8	126	1	US-08-455-674-6	Sequence 6, Appl	382	6	1.8	160	2	US-09-107-532A-7249	Sequence 7249, Ap
310	6	1.8	126	1	US-08-455-674-8	Sequence 8, Appl	383	6	1.8	160	2	US-09-605-703B-1712	Sequence 1712, Ap
311	6	1.8	126	1	US-08-455-674-10	Sequence 10, Appl	384	6	1.8	161	1	US-08-450-257-56	Sequence 56, Appl
312	6	1.8	126	1	US-08-455-674-12	Sequence 12, Appl	385	6	1.8	161	1	US-08-450-246-56	Sequence 56, Appl
313	6	1.8	126	1	US-08-455-674-14	Sequence 14, Appl	386	6	1.8	161	1	US-08-451-233-56	Sequence 56, Appl
314	6	1.8	126	1	US-08-455-674-16	Sequence 16, Appl	387	6	1.8	161	1	US-08-451-233-56	Sequence 56, Appl
315	6	1.8	126	1	US-08-455-674-18	Sequence 18, Appl	388	6	1.8	161	1	US-08-450-236-56	Sequence 56, Appl
316	6	1.8	126	1	US-08-455-674-20	Sequence 20, Appl	389	6	1.8	161	2	US-08-235-403-56	Sequence 56, Appl
317	6	1.8	126	1	US-08-455-674-22	Sequence 22, Appl	390	6	1.8	161	2	US-09-252-991A-28201	Sequence 28201, A
318	6	1.8	126	1	US-08-455-674-24	Sequence 24, Appl	391	6	1.8	161	2	US-09-480-297A-14	Sequence 14, Appl
319	6	1.8	126	1	US-08-455-674-26	Sequence 26, Appl	392	6	1.8	161	2	US-09-328-352-7883	Sequence 7883, Ap

393	6	1.8	161	2	US-09-836-385-2	Sequence 2, Appl1	466	6	1.8	191	2	US-08-745-404-4	Sequence 4, Appl1
394	6	1.8	162	2	US-09-252-991A-21465	Sequence 21465, A	467	6	1.8	192	2	US-09-252-991A-32913	Sequence 32913, A
395	6	1.8	162	2	US-09-540-236-2231	Sequence 2231, Ap	468	6	1.8	192	2	US-09-270-767-38649	Sequence 38649, A
396	6	1.8	164	2	US-09-248-796A-17190	Sequence 17190, A	469	6	1.8	192	2	US-09-270-767-53866	Sequence 53866, A
397	6	1.8	165	2	US-09-270-767-55673	Sequence 55673, A	470	6	1.8	193	2	US-09-134-000C-4720	Sequence 4720, Ap
398	6	1.8	165	2	US-09-270-767-50850	Sequence 50890, A	471	6	1.8	195	2	US-10-104-047-1991	Sequence 1991, Ap
399	6	1.8	168	2	US-09-252-991A-29346	Sequence 23346, A	472	6	1.8	196	2	US-09-270-767-38761	Sequence 38761, A
400	6	1.8	168	2	US-09-621-976-5110	Sequence 5110, Ap	473	6	1.8	196	2	US-09-270-767-53978	Sequence 53978, A
401	6	1.8	168	2	US-09-270-767-43450	Sequence 43450, A	474	6	1.8	196	2	US-09-902-540-16356	Sequence 16356, A
402	6	1.8	169	2	US-09-544-716-17	Sequence 17, Appl1	475	6	1.8	204	2	US-09-252-991A-27153	Sequence 27153, A
403	6	1.8	169	2	US-09-252-991A-29056	Sequence 29056, A	476	6	1.8	204	2	US-09-710-279-412	Sequence 412, App
404	6	1.8	169	2	US-09-557-921-18	Sequence 18, Appl1	477	6	1.8	204	2	US-09-710-279-1218	Sequence 1218, Ap
405	6	1.8	169	2	US-09-480-257A-18	Sequence 18, Appl1	478	6	1.8	205	2	US-09-270-767-39126	Sequence 39126, A
406	6	1.8	169	2	US-09-564-357-20	Sequence 20, Appl1	479	6	1.8	205	2	US-09-270-767-54343	Sequence 54344, A
407	6	1.8	169	2	US-09-619-380-19	Sequence 19, Appl1	480	6	1.8	208	1	US-07-661-610C-5	Sequence 5, Appl1
408	6	1.8	169	2	US-09-836-385-4	Sequence 4, Appl1	481	6	1.8	208	4	US-08-309-512-4	Sequence 4, Appl1
409	6	1.8	169	2	US-09-544-517-19	Sequence 19, Appl1	482	6	1.8	208	4	PCT-US92-08756A-4	Sequence 18, Appl1
410	6	1.8	169	2	US-09-527-376-14	Sequence 14, Appl1	483	6	1.8	209	2	US-08-411-731A-18	Sequence 1638, A
411	6	1.8	169	2	US-09-775-925-29	Sequence 29, Appl1	484	6	1.8	209	2	US-09-489-039A-12638	Sequence 12638, A
412	6	1.8	170	2	US-09-513-999C-5046	Sequence 5046, Ap	485	6	1.8	210	1	US-08-948-616-10	Sequence 10, Appl1
413	6	1.8	170	2	US-09-513-999C-5047	Sequence 5047, Ap	486	6	1.8	210	1	US-08-991-946A-6	Sequence 6, Appl1
414	6	1.8	172	2	US-09-902-540-13256	Sequence 13256, A	487	6	1.8	210	1	US-09-193-510-10	Sequence 10, Appl1
415	6	1.8	174	2	US-08-911-853-19	Sequence 19, Appl1	488	6	1.8	210	2	US-09-368-402-10	Sequence 16, Appl1
416	6	1.8	174	2	US-09-479-409-19	Sequence 19, Appl1	489	6	1.8	210	2	US-08-617-785-16	Sequence 16, Appl1
417	6	1.8	174	2	US-09-479-453-19	Sequence 19, Appl1	490	6	1.8	210	2	US-09-817-64-16	Sequence 16, Appl1
418	6	1.8	174	2	US-09-252-991A-26059	Sequence 26059, A	491	6	1.8	210	2	US-09-252-991A-16748	Sequence 16748, A
419	6	1.8	174	2	US-09-489-039A-11944	Sequence 11944, A	492	6	1.8	211	2	US-09-252-991A-24927	Sequence 24927, A
420	6	1.8	176	2	US-09-902-540-13726	Sequence 13726, A	493	6	1.8	212	2	US-09-338-352-6317	Sequence 6317, Ap
421	6	1.8	177	1	US-08-450-257-61	Sequence 61, Appl1	494	6	1.8	213	1	US-08-796-850-2	Sequence 2, Appl1
422	6	1.8	177	1	US-08-450-246-61	Sequence 61, Appl1	495	6	1.8	213	2	US-09-766-778-2	Sequence 2, Appl1
423	6	1.8	177	1	US-08-450-098-61	Sequence 61, Appl1	496	6	1.8	213	2	US-10-086-176A-6	Sequence 6, Appl1
424	6	1.8	177	1	US-08-451-233-61	Sequence 61, Appl1	497	6	1.8	214	2	US-09-535-145-2	Sequence 2, Appl1
425	6	1.8	177	1	US-08-450-236-61	Sequence 61, Appl1	498	6	1.8	214	2	US-10-104-047-2741	Sequence 2741, Ap
426	6	1.8	177	2	US-08-235-403-61	Sequence 61, Appl1	499	6	1.8	215	2	US-09-248-796A-20202	Sequence 20202, A
427	6	1.8	177	2	US-09-747-259-6	Sequence 6, Appl1	500	6	1.8	215	2	US-09-830-433A-48	Sequence 48, Appl1
428	6	1.8	177	2	US-09-816-744-6	Sequence 6, Appl1	501	6	1.8	218	2	US-09-134-000C-4152	Sequence 4152, Ap
429	6	1.8	178	2	US-09-809-665A-12	Sequence 12, Appl1	502	6	1.8	218	2	US-09-114-000C-6788	Sequence 6798, Ap
430	6	1.8	179	2	US-08-836-500A-4	Sequence 4, Appl1	503	6	1.8	220	2	US-09-640-211A-598	Sequence 598, App
431	6	1.8	179	2	US-09-309-317-4	Sequence 4, Appl1	504	6	1.8	221	2	US-09-324-542-156	Sequence 156, App
432	6	1.8	179	2	US-10-067-443-25	Sequence 25, Appl1	505	6	1.8	221	2	US-09-205-426-156	Sequence 40718, A
433	6	1.8	179	2	US-09-679-750-4	Sequence 4, Appl1	506	6	1.8	223	2	US-09-270-767-55934	Sequence 55934, A
434	6	1.8	180	2	US-09-270-767-61919	Sequence 61919, A	507	6	1.8	223	2	US-09-462-273-204	Sequence 204, App
435	6	1.8	181	2	US-09-602-787A-428	Sequence 428, App	508	6	1.8	224	2	US-09-949-016-11719	Sequence 11719, A
436	6	1.8	181	2	US-10-104-047-2756	Sequence 2756, Ap	509	6	1.8	225	2	US-09-902-540-15401	Sequence 15401, A
437	6	1.8	182	2	US-09-252-991A-31442	Sequence 31442, A	510	6	1.8	225	2	US-09-583-110-3621	Sequence 3621, Ap
438	6	1.8	183	2	US-09-966-611D-3	Sequence 3, Appl1	511	6	1.8	227	2	US-09-252-991A-26973	Sequence 26973, A
439	6	1.8	184	2	US-09-538-092-504	Sequence 504, App	512	6	1.8	228	2	US-09-252-991A-22014	Sequence 22014, A
440	6	1.8	185	2	US-09-198-452A-1223	Sequence 1223, Ap	513	6	1.8	229	1	US-08-336-198C-7	Sequence 7, Appl1
441	6	1.8	185	2	US-09-328-352-7053	Sequence 7053, Ap	514	6	1.8	231	2	US-09-184-965-7	Sequence 7, Appl1
442	6	1.8	187	1	US-08-450-257-62	Sequence 62, Appl1	515	6	1.8	231	2	US-09-134-001C-5220	Sequence 5220, Ap
443	6	1.8	187	1	US-08-450-246-62	Sequence 62, Appl1	516	6	1.8	232	2	US-09-252-991A-20425	Sequence 20425, A
444	6	1.8	187	1	US-08-450-098-62	Sequence 62, Appl1	517	6	1.8	232	2	US-09-949-016-9008	Sequence 9008, Ap
445	6	1.8	187	1	US-08-451-233-62	Sequence 62, Appl1	518	6	1.8	233	2	US-09-543-681A-7999	Sequence 7999, Ap
446	6	1.8	187	1	US-08-450-236-62	Sequence 62, Appl1	519	6	1.8	234	2	US-09-432-709A-350	Sequence 350, App
447	6	1.8	187	1	US-08-713-825-1	Sequence 1, Appl1	520	6	1.8	235	1	US-08-147-710-2	Sequence 2, Appl1
448	6	1.8	187	2	US-09-199-842-1	Sequence 1, Appl1	521	6	1.8	235	1	US-08-458-090-2	Sequence 2, Appl1
449	6	1.8	187	2	US-08-235-403-62	Sequence 62, Appl1	522	6	1.8	235	1	US-08-457-887-2	Sequence 2, Appl1
450	6	1.8	187	2	US-09-460-532-1	Sequence 1, Appl1	523	6	1.8	235	2	US-08-817-145-3	Sequence 3, Appl1
451	6	1.8	187	2	US-09-248-796A-20333	Sequence 20323, A	524	6	1.8	235	2	US-09-702-705-332	Sequence 332, App
452	6	1.8	187	2	US-09-538-092-823	Sequence 823, App	525	6	1.8	235	2	US-09-736-457-332	Sequence 332, App
453	6	1.8	190	1	US-07-956-700B-15	Sequence 15, Appl1	526	6	1.8	235	2	US-09-614-124B-332	Sequence 332, App
454	6	1.8	190	1	US-07-956-700B-30	Sequence 30, Appl1	527	6	1.8	235	2	US-09-904-621-2	Sequence 2, Appl1
455	6	1.8	190	1	US-08-476-537-15	Sequence 15, Appl1	528	6	1.8	235	2	US-09-671-335-332	Sequence 332, App
456	6	1.8	190	1	US-08-476-537-30	Sequence 30, Appl1	529	6	1.8	235	2	US-09-569-184-332	Sequence 332, App
457	6	1.8	190	1	US-08-485-607-15	Sequence 15, Appl1	530	6	1.8	235	2	US-09-270-767-42810	Sequence 42810, A
458	6	1.8	190	1	US-08-485-607-30	Sequence 30, Appl1	531	6	1.8	235	2	US-09-658-824-332	Sequence 332, App
459	6	1.8	190	1	US-08-475-879-15	Sequence 15, Appl1	532	6	1.8	235	2	US-09-949-016-6735	Sequence 6735, Ap
460	6	1.8	190	1	US-08-475-879-30	Sequence 30, Appl1	533	6	1.8	235	2	US-10-017-754-332	Sequence 332, App
461	6	1.8	190	2	US-09-433-043B-15	Sequence 15, Appl1	534	6	1.8	235	2	US-09-651-563-332	Sequence 332, App
462	6	1.8	190	2	US-09-433-043B-30	Sequence 30, Appl1	535	6	1.8	235	2	US-09-519-642-332	Sequence 332, App
463	6	1.8	190	2	US-09-543-681A-168	Sequence 8168, Ap	536	6	1.8	235	2	US-09-949-016-9362	Sequence 9362, Ap
464	6	1.8	190	2	US-09-438-185A-831	Sequence 831, App	537	6	1.8	237	2	US-09-252-991A-24386	Sequence 24386, A
465	6	1.8	190	2	US-09-902-540-15188	Sequence 15188, A	538	6	1.8	238	2		

539	6	1.8	238	2	US-10-101-464A-702	Sequence 702, App	612	6	1.8	269	2	US-09-533-480C-2	Sequence 2, Appli
540	6	1.8	238	2	US-09-935-338-233	Sequence 233, App	613	6	1.8	270	1	US-08-452-052-1	Sequence 1, Appli
541	6	1.8	239	2	US-09-532-856-10	Sequence 10, Appl	614	6	1.8	270	1	US-09-716-129-128	Sequence 128, App
542	6	1.8	239	2	US-09-524-100C-10	Sequence 10, Appl	615	6	1.8	271	1	US-08-447-554-4	Sequence 4, Appli
543	6	1.8	239	2	US-10-212-507-10	Sequence 10, Appl	616	6	1.8	271	1	US-08-448-160-4	Sequence 160, App
544	6	1.8	239	2	US-08-261-822A-79	Sequence 79, Appl	617	6	1.8	271	1	US-09-489-039A-11347	Sequence 11347, A
545	6	1.8	240	1	US-09-252-991A-24537	Sequence 24537, A	618	6	1.8	271	2	US-09-540-236-2326	Sequence 236, App
546	6	1.8	240	4	PCT-US95-07744A-79	Sequence 79, Appl	619	6	1.8	272	2	US-09-372-422A-26	Sequence 26, Appl
547	6	1.8	240	4	US-09-153-599A-5	Sequence 5, Appli	620	6	1.8	274	2	US-09-605-703B-1768	Sequence 1768, App
548	6	1.8	242	2	US-08-977-865-4	Sequence 4, Appli	621	6	1.8	275	2	US-09-270-767-33033	Sequence 33033, A
549	6	1.8	242	2	US-09-107-532A-6977	Sequence 6977, App	622	6	1.8	275	2	US-09-270-767-48250	Sequence 48250, A
550	6	1.8	243	2	US-09-134-000C-4849	Sequence 4849, App	623	6	1.8	277	1	US-09-762-129-5	Sequence 5, Appli
551	6	1.8	243	2	US-09-248-796A-16444	Sequence 16444, A	624	6	1.8	277	2	US-09-248-796A-24440	Sequence 24440, A
552	6	1.8	243	2	US-09-538-092-757	Sequence 757, App	625	6	1.8	277	2	US-09-949-016-6126	Sequence 6126, App
553	6	1.8	244	2	US-09-949-016-7557	Sequence 7557, App	626	6	1.8	279	2	US-09-107-433-3335	Sequence 3335, App
554	6	1.8	245	2	US-09-489-039A-11201	Sequence 11201, A	627	6	1.8	282	2	US-08-910-820-3	Sequence 3, Appli
555	6	1.8	245	2	US-09-583-110-3580	Sequence 3580, App	628	6	1.8	282	2	US-08-910-820-5	Sequence 5, Appli
556	6	1.8	246	2	US-09-605-703B-2872	Sequence 2872, App	629	6	1.8	282	2	US-08-844-908-3	Sequence 3, Appli
557	6	1.8	247	2	US-09-902-540-10732	Sequence 10732, A	630	6	1.8	282	2	US-09-844-908-5	Sequence 5, Appli
558	6	1.8	249	1	US-08-450-257-57	Sequence 57, Appl	631	6	1.8	283	2	US-09-252-991A-29465	Sequence 29465, A
559	6	1.8	249	1	US-08-450-257-57	Sequence 57, Appl	632	6	1.8	283	2	US-09-602-787A-588	Sequence 588, App
560	6	1.8	249	1	US-08-450-098-57	Sequence 57, Appl	633	6	1.8	284	2	US-09-522-714-24	Sequence 24, Appl
561	6	1.8	249	1	US-08-451-233-57	Sequence 57, Appl	634	6	1.8	285	2	US-09-270-767-59811	Sequence 5811, A
562	6	1.8	249	1	US-08-450-236-57	Sequence 57, Appl	635	6	1.8	286	1	US-08-872-784-3	Sequence 3, Appli
563	6	1.8	249	1	US-08-235-403-57	Sequence 57, Appl	636	6	1.8	286	1	US-09-100-851-3	Sequence 3, Appli
564	6	1.8	249	2	US-09-248-796A-16223	Sequence 16223, A	637	6	1.8	286	2	US-09-265-294-3	Sequence 3, Appli
565	6	1.8	249	2	US-09-763-620-33	Sequence 33, Appl	638	6	1.8	286	2	US-09-252-991A-29952	Sequence 29952, A
566	6	1.8	250	2	US-09-902-540-11565	Sequence 11565, A	639	6	1.8	286	2	US-09-489-039A-8008	Sequence 8008, App
567	6	1.8	251	2	US-09-540-824-9	Sequence 9, Appli	640	6	1.8	287	2	US-09-310-463-32	Sequence 32, Appl
568	6	1.8	252	2	US-09-540-824-9	Sequence 9, Appli	641	6	1.8	288	2	US-09-902-540-11058	Sequence 11058, A
569	6	1.8	252	2	US-09-489-039A-7755	Sequence 7755, App	642	6	1.8	290	2	US-09-643-596B-144	Sequence 144, App
570	6	1.8	253	2	US-09-949-016-7058	Sequence 7058, App	643	6	1.8	290	2	US-09-710-279-214	Sequence 214, App
571	6	1.8	254	2	US-09-328-352-5632	Sequence 5632, App	644	6	1.8	291	2	US-09-489-039A-13316	Sequence 13316, A
572	6	1.8	255	2	US-09-605-703B-244	Sequence 244, App	645	6	1.8	293	2	US-09-328-352-6692	Sequence 6692, App
573	6	1.8	255	2	US-09-252-991A-30474	Sequence 30474, A	646	6	1.8	293	2	US-09-902-540-14174	Sequence 14174, A
574	6	1.8	256	2	US-09-134-000C-6788	Sequence 6788, App	647	6	1.8	297	2	US-09-252-991A-16818	Sequence 16818, A
575	6	1.8	256	2	US-09-270-767-6799	Sequence 6799, A	648	6	1.8	297	2	US-09-252-991A-32590	Sequence 32590, A
576	6	1.8	257	2	US-09-964-956-85	Sequence 85, Appl	649	6	1.8	299	2	US-09-310-463-30	Sequence 30, Appl
577	6	1.8	257	2	US-09-372-422A-28	Sequence 28, Appl	650	6	1.8	299	2	US-09-651-200-15	Sequence 15, Appl
578	6	1.8	257	2	US-09-252-991A-21740	Sequence 21740, A	651	6	1.8	300	2	US-09-252-991A-19422	Sequence 19422, A
579	6	1.8	257	2	US-09-252-991A-26120	Sequence 26120, A	652	6	1.8	300	2	US-09-252-991A-25073	Sequence 25073, A
*580	6	1.8	257	2	US-09-107-532A-5975	Sequence 5975, App	653	6	1.8	300	2	US-09-333-634-17	Sequence 17, Appl
581	6	1.8	258	2	US-09-543-681A-4613	Sequence 4613, App	654	6	1.8	302	2	US-09-702-705-806	Sequence 806, App
582	6	1.8	258	2	US-09-107-433-5123	Sequence 5123, App	655	6	1.8	302	2	US-09-736-457-806	Sequence 806, App
583	6	1.8	259	1	US-08-997-080-98	Sequence 98, Appl	656	6	1.8	302	2	US-09-252-991A-28202	Sequence 28202, A
584	6	1.8	259	1	US-08-997-362-98	Sequence 98, Appl	657	6	1.8	302	2	US-09-614-124B-806	Sequence 806, App
585	6	1.8	259	1	US-08-873-970-98	Sequence 98, Appl	658	6	1.8	302	2	US-09-671-325-806	Sequence 806, App
586	6	1.8	259	2	US-09-095-855-98	Sequence 98, Appl	659	6	1.8	302	2	US-09-589-184-806	Sequence 806, App
587	6	1.8	259	2	US-09-324-542-98	Sequence 98, Appl	660	6	1.8	302	2	US-09-658-824-806	Sequence 806, App
588	6	1.8	259	2	US-09-205-426-98	Sequence 98, Appl	661	6	1.8	302	2	US-09-248-796A-14483	Sequence 14483, A
589	6	1.8	260	2	US-08-081-929-10	Sequence 10, Appl	662	6	1.8	302	2	US-10-017-754-806	Sequence 806, App
590	6	1.8	260	2	US-09-540-226-2236	Sequence 2236, App	663	6	1.8	302	2	US-09-651-563-806	Sequence 806, App
591	6	1.8	260	2	US-10-000-954-10	Sequence 10, Appl	664	6	1.8	303	2	US-09-540-236-3012	Sequence 3012, App
592	6	1.8	260	2	US-09-605-703B-632	Sequence 632, App	665	6	1.8	306	2	US-09-252-991A-30219	Sequence 30219, A
593	6	1.8	261	2	US-09-902-540-13500	Sequence 13500, A	666	6	1.8	306	2	US-09-107-532A-5552	Sequence 5552, App
594	6	1.8	263	2	US-09-605-703B-242	Sequence 242, App	667	6	1.8	306	2	US-10-686-944-1	Sequence 1, Appli
595	6	1.8	264	2	US-09-053-197A-8	Sequence 8, Appli	668	6	1.8	306	2	US-10-686-944-2	Sequence 2, Appli
596	6	1.8	264	2	US-09-085-761A-8	Sequence 8, Appli	669	6	1.8	306	2	US-10-686-944-3	Sequence 3, Appli
597	6	1.8	264	2	US-09-107-532A-5290	Sequence 5290, App	670	6	1.8	306	2	US-10-686-944-4	Sequence 4, Appli
598	6	1.8	264	2	US-09-134-000C-5075	Sequence 5075, App	671	6	1.8	306	2	US-10-686-944-5	Sequence 5, Appli
599	6	1.8	264	2	US-09-830-807-14	Sequence 14, Appl	672	6	1.8	306	2	US-10-686-944-6	Sequence 6, Appli
600	6	1.8	265	1	US-08-468-763-19	Sequence 19, Appl	673	6	1.8	307	2	US-09-902-540-10066	Sequence 10066, A
601	6	1.8	265	1	US-08-393-996A-19	Sequence 19, Appl	674	6	1.8	308	2	US-09-595-186-3	Sequence 3, Appli
602	6	1.8	265	1	US-09-489-039A-8793	Sequence 8793, App	675	6	1.8	308	2	US-09-543-681A-4426	Sequence 4426, App
603	6	1.8	267	2	US-08-416-336-2	Sequence 2, Appli	676	6	1.8	308	2	US-09-933-525-3	Sequence 3, Appli
604	6	1.8	267	2	US-09-489-039A-9036	Sequence 9036, App	677	6	1.8	308	2	US-09-949-016-11042	Sequence 11042, A
605	6	1.8	267	2	US-09-540-236-3025	Sequence 3025, App	678	6	1.8	309	2	US-09-107-532A-6518	Sequence 6518, App
606	6	1.8	268	1	US-08-015-973-7	Sequence 7, Appli	679	6	1.8	309	2	US-09-540-236-3253	Sequence 3253, App
607	6	1.8	268	1	US-08-448-164-7	Sequence 7, Appli	680	6	1.8	312	1	US-08-094-128A-27	Sequence 27, Appl
608	6	1.8	268	2	US-08-081-929-7	Sequence 7, Appli	681	6	1.8	312	1	US-08-455-674-27	Sequence 27, Appl
609	6	1.8	268	2	US-09-252-991A-26485	Sequence 26485, A	682	6	1.8	312	1	US-08-455-992-27	Sequence 27, Appl
610	6	1.8	268	2	US-10-000-954-7	Sequence 7, Appli	683	6	1.8	312	1	US-08-455-972-27	Sequence 27, Appl
611	6	1.8	269	2	US-09-270-767-44079	Sequence 44079, A	684	6	1.8	312	2	US-09-599-160B-96	Sequence 96, Appl

685	6	1.8	312	2	US-09-252-991A-26762	Sequence 26762, A	758	6	1.8	317	1	US-08-802-322-13	Sequence 13, Appl
686	6	1.8	312	2	US-09-489-039A-13269	Sequence 13269, A	759	6	1.8	317	2	US-08-405-771A-24	Sequence 24, Appl
687	6	1.8	312	2	US-09-949-016-7257	Sequence 7257, Ap	760	6	1.8	317	2	US-09-252-991A-25606	Sequence 25606, A
688	6	1.8	312	4	PCT-US92-00652-27	Sequence 27, Appl	761	6	1.8	317	2	US-09-832-161-12	Sequence 12, Appl
689	6	1.8	313	2	US-10-324-316-22	Sequence 22, Appl	762	6	1.8	317	2	US-09-832-161-13	Sequence 13, Appl
690	6	1.8	313	2	US-09-991-181-97	Sequence 97, Appl	763	6	1.8	317	2	US-09-583-110-3894	Sequence 3894, Ap
691	6	1.8	313	2	US-09-990-444-97	Sequence 97, Appl	764	6	1.8	317	2	US-09-949-016-7384	Sequence 7384, Ap
692	6	1.8	313	2	US-09-997-333-97	Sequence 97, Appl	765	6	1.8	318	2	US-09-949-016-7386	Sequence 7386, A
693	6	1.8	313	2	US-09-992-598-97	Sequence 97, Appl	766	6	1.8	318	2	US-08-494-907-12	Sequence 12, Appl
694	6	1.8	314	2	US-09-489-847-39	Sequence 39, App	767	6	1.8	318	2	US-08-994-035C-5	Sequence 5, Appl1
695	6	1.8	314	2	US-09-489-847-355	Sequence 355, App	768	6	1.8	319	2	US-09-395-861-5	Sequence 2644, A
696	6	1.8	314	2	US-09-270-767-59928	Sequence 59928, A	769	6	1.8	319	2	US-09-252-991A-24644	Sequence 13275, A
697	6	1.8	315	2	US-09-252-991A-30534	Sequence 30534, A	770	6	1.8	319	4	PCT-US96-10998-12	Sequence 12, Appl
698	6	1.8	317	1	US-08-466-337A-18	Sequence 18, Appl	771	6	1.8	319	4	US-09-161-241-9	Sequence 9, Appl1
699	6	1.8	317	1	US-08-475-359-18	Sequence 18, Appl	772	6	1.8	319	2	US-09-902-540-13275	Sequence 226, App
700	6	1.8	317	1	US-08-802-322-1	Sequence 1, Appl1	773	6	1.8	319	2	US-09-905-125A-236	Sequence 226, App
701	6	1.8	317	2	US-08-465-887A-18	Sequence 18, Appl	774	6	1.8	319	2	US-09-902-775A-236	Sequence 226, App
702	6	1.8	317	2	US-08-895-601-7	Sequence 7, Appl1	775	6	1.8	319	2	US-09-902-775A-236	Sequence 226, App
703	6	1.8	317	2	US-09-349-627-1	Sequence 1, Appl1	776	6	1.8	319	2	US-09-902-775A-236	Sequence 226, App
704	6	1.8	317	2	US-08-910-820-1	Sequence 1, Appl1	777	6	1.8	319	2	US-09-902-775A-236	Sequence 226, App
705	6	1.8	317	2	US-09-252-991A-26657	Sequence 26657, A	778	6	1.8	319	2	US-09-902-775A-236	Sequence 226, App
706	6	1.8	317	2	US-09-328-352-6383	Sequence 6383, Ap	779	6	1.8	319	2	US-09-902-775A-236	Sequence 226, App
707	6	1.8	317	2	US-09-844-908-1	Sequence 1, Appl1	780	6	1.8	319	2	US-09-902-775A-236	Sequence 226, App
708	6	1.8	317	2	US-09-832-161-1	Sequence 1, Appl1	781	6	1.8	319	2	US-09-902-775A-236	Sequence 226, App
709	6	1.8	317	2	US-09-270-767-44383	Sequence 44383, A	782	6	1.8	319	2	US-09-902-775A-236	Sequence 226, App
710	6	1.8	317	2	US-10-053-005A-9	Sequence 9, Appl1	783	6	1.8	319	2	US-09-902-775A-236	Sequence 226, App
711	6	1.8	317	2	US-09-949-016-6969	Sequence 6969, Ap	784	6	1.8	319	2	US-09-902-775A-236	Sequence 226, App
*712	6	1.8	318	1	US-09-027-013-4	Sequence 4, Appl1	785	6	1.8	319	2	US-09-902-775A-236	Sequence 226, App
713	6	1.8	318	2	US-09-244-223-4	Sequence 4, Appl1	786	6	1.8	319	2	US-09-902-775A-236	Sequence 226, App
714	6	1.8	318	2	US-09-902-540-10266	Sequence 10266, A	787	6	1.8	319	2	US-08-843-5308-31	Sequence 28, Appl
715	6	1.8	318	2	US-09-902-540-15719	Sequence 15719, A	788	6	1.8	319	2	US-09-836-728-28	Sequence 4997, Ap
*716	6	1.8	322	2	US-09-710-279-2952	Sequence 2952, Ap	789	6	1.8	319	2	US-09-583-110-4997	Sequence 11931, A
717	6	1.8	327	2	US-09-247-155-94	Sequence 94, Appl	790	6	1.8	354	2	US-09-902-540-11931	Sequence 8, Appl1
718	6	1.8	327	2	US-09-599-3608-12	Sequence 12, Appl	791	6	1.8	358	2	US-09-799-875-8	Sequence 2, Appl1
719	6	1.8	327	2	US-09-513-999C-12	Sequence 12, Appl	792	6	1.8	358	2	US-09-909-474D-2	Sequence 8, Appl1
720	6	1.8	327	2	US-09-471-276-12	Sequence 12, Appl	793	6	1.8	358	2	US-09-909-474D-8	Sequence 8, Appl1
721	6	1.8	327	2	US-10-012-231A-17	Sequence 17, Appl	794	6	1.8	359	2	US-08-637-670-37	Sequence 37, Appl
722	6	1.8	327	2	US-10-015-389A-17	Sequence 17, Appl	795	6	1.8	359	2	US-09-543-681A-6815	Sequence 6815, Ap
723	6	1.8	327	2	US-09-903-190-94	Sequence 94, Appl	796	6	1.8	359	2	US-09-107-433-2619	Sequence 2619, Ap
724	6	1.8	327	2	US-10-006-768A-17	Sequence 17, Appl	797	6	1.8	360	2	US-09-509-902A-9	Sequence 9, Appl1
725	6	1.8	327	2	US-10-015-671A-17	Sequence 17, Appl	798	6	1.8	360	2	US-09-949-016-8482	Sequence 8482, Ap
726	6	1.8	327	2	US-10-015-333A-17	Sequence 17, Appl	799	6	1.8	360	2	US-10-024-828-9	Sequence 9, Appl1
727	6	1.8	327	2	US-10-011-833A-17	Sequence 17, Appl	800	6	1.8	360	2	US-09-909-474D-11	Sequence 11, Appl
728	6	1.8	327	2	US-10-006-041A-17	Sequence 17, Appl	801	6	1.8	361	2	US-09-270-767-66761	Sequence 46761, A
729	6	1.8	327	2	US-10-012-064A-17	Sequence 17, Appl	802	6	1.8	363	1	US-08-845-742-2	Sequence 2, Appl1
730	6	1.8	329	2	US-09-902-540-9788	Sequence 9788, Ap	803	6	1.8	363	2	US-09-967-908A-10	Sequence 10, Appl
731	6	1.8	329	2	US-09-134-001C-5254	Sequence 5254, Ap	804	6	1.8	363	2	US-10-159-151-10	Sequence 8, Appl1
732	6	1.8	333	2	US-09-270-767-44487	Sequence 44487, A	805	6	1.8	365	2	US-09-043-637-8	Sequence 16404, A
733	6	1.8	334	2	US-09-902-540-11426	Sequence 11426, A	806	6	1.8	365	2	US-09-252-991A-18404	Sequence 18404, A
734	6	1.8	335	2	US-08-836-500A-2	Sequence 2, Appl1	807	6	1.8	365	2	US-09-669-476-8	Sequence 8, Appl1
735	6	1.8	335	2	US-09-248-796A-20236	Sequence 20236, A	808	6	1.8	366	2	US-09-176-657-2	Sequence 2, Appl1
736	6	1.8	335	2	US-09-679-750-2	Sequence 2, Appl1	809	6	1.8	366	2	US-09-421-299-2	Sequence 2, Appl1
737	6	1.8	336	1	US-08-997-080-156	Sequence 156, App	810	6	1.8	368	2	US-09-949-016-7640	Sequence 7640, Ap
738	6	1.8	336	1	US-08-997-362-156	Sequence 156, App	811	6	1.8	371	1	US-08-446-363-14	Sequence 14, Appl
739	6	1.8	336	2	US-09-095-855-156	Sequence 156, App	812	6	1.8	373	1	US-08-446-363-14	Sequence 14, Appl
740	6	1.8	336	2	US-09-270-767-42608	Sequence 42608, A	813	6	1.8	373	1	US-09-967-908A-2	Sequence 4, Appl1
741	6	1.8	336	2	US-09-902-540-12264	Sequence 12264, A	814	6	1.8	373	2	US-09-489-039A-10382	Sequence 10382, A
742	6	1.8	337	2	US-08-448-722A-2	Sequence 2, Appl1	815	6	1.8	373	2	US-09-248-796A-18417	Sequence 18417, A
743	6	1.8	337	2	US-08-189-309B-2	Sequence 2, Appl1	816	6	1.8	373	2	US-10-159-151-4	Sequence 4, Appl1
744	6	1.8	338	2	US-09-303-518D-684	Sequence 684, App	817	6	1.8	373	2	US-09-949-016-10517	Sequence 10517, A
745	6	1.8	338	2	US-09-303-518D-688	Sequence 688, App	818	6	1.8	373	2	US-09-603-028A-174	Sequence 174, App
746	6	1.8	339	2	US-10-169-048-40	Sequence 40, Appl	819	6	1.8	373	2	US-09-914-098A-14	Sequence 14, Appl
747	6	1.8	340	2	US-09-252-991A-18833	Sequence 18833, A	820	6	1.8	373	2	US-09-252-991A-28076	Sequence 28076, A
748	6	1.8	340	2	US-09-949-016-10901	Sequence 10901, A	821	6	1.8	374	2	US-09-949-016-7856	Sequence 7856, Ap
749	6	1.8	341	2	US-09-252-991A-17955	Sequence 27955, A	822	6	1.8	375	2	US-09-949-016-7857	Sequence 7857, Ap
750	6	1.8	341	2	US-09-270-767-33874	Sequence 32874, A	823	6	1.8	375	2	US-09-949-016-7858	Sequence 7858, Ap
751	6	1.8	343	2	US-09-967-908A-8	Sequence 8, Appl1	824	6	1.8	375	2	US-09-252-991A-18705	Sequence 18705, A
752	6	1.8	343	2	US-09-252-991A-17319	Sequence 17319, A	825	6	1.8	377	2	US-10-239-333B-2	Sequence 2, Appl
753	6	1.8	343	2	US-10-159-151-8	Sequence 8, Appl1	826	6	1.8	377	2	US-09-949-016-7408	Sequence 7408, Ap
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755	6	1.8	344	1	US-09-110-116-4	Sequence 4, Appl1	828	6	1.8	378	2	US-09-417-197-129	Sequence 129, App
756	6	1.8	344	2	US-09-270-767-41710	Sequence 41710, A	829	6	1.8	379	2	US-09-252-991A-31643	Sequence 31643, A
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834	6	1.8	380	2	US-09-088-337B-40	Sequence 40, Appl	907	6	1.8	415	2	US-09-905-125A-104	Sequence 104, Appl
835	6	1.8	380	2	US-09-149-045-2	Sequence 2, Appl1	908	6	1.8	415	2	US-09-902-775A-104	Sequence 104, Appl
836	6	1.8	380	2	US-09-255-518C-3	Sequence 3, Appl1	909	6	1.8	415	2	US-09-906-700-104	Sequence 104, Appl
837	6	1.8	380	2	US-09-170-496D-62	Sequence 62, Appl	910	6	1.8	415	2	US-09-903-603A-104	Sequence 104, Appl
838	6	1.8	380	2	US-09-170-496D-198	Sequence 198, Appl	911	6	1.8	415	2	US-09-904-920A-104	Sequence 104, Appl
839	6	1.8	380	4	PCT-US93-1153-40	Sequence 40, Appl	912	6	1.8	415	2	US-09-909-064-104	Sequence 104, Appl
840	6	1.8	381	2	US-09-967-908A-6	Sequence 6, Appl1	913	6	1.8	415	2	US-09-905-381A-104	Sequence 104, Appl
841	6	1.8	381	2	US-10-159-151-6	Sequence 6, Appl1	914	6	1.8	415	2	US-09-906-618-104	Sequence 104, Appl
842	6	1.8	382	2	US-09-134-001C-5449	Sequence 5449, Ap	915	6	1.8	415	2	US-09-906-646-104	Sequence 104, Appl
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849	6	1.8	387	2	US-09-563-269-2	Sequence 2, Appl1	922	6	1.8	418	2	US-09-355-700-13	Sequence 13, Appl
850	6	1.8	387	2	US-09-540-236-3550	Sequence 3550, Ap	923	6	1.8	418	2	US-09-328-352-7644	Sequence 7644, Ap
851	6	1.8	387	2	US-09-643-596B-136	Sequence 136, App	924	6	1.8	418	2	US-09-534-376A-13	Sequence 13, Appl
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874	6	1.8	394	2	US-10-017-754-805	Sequence 805, App	947	6	1.8	437	2	US-09-252-991A-27413	Sequence 27413, A
875	6	1.8	394	2	US-10-017-754-827	Sequence 827, App	948	6	1.8	437	2	US-09-949-016-8094	Sequence 8094, Ap
876	6	1.8	394	2	US-09-651-563-805	Sequence 805, App	949	6	1.8	438	2	US-09-339-838-5	Sequence 5, Appl1
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889	6	1.8	404	2	US-09-252-991A-17418	Sequence 17418, Ap	962	6	1.8	447	2	US-09-134-001C-3055	Sequence 3055, Ap
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901	6	1.8	414	2	US-10-067-443-2	Sequence 2, Appl1	974	6	1.8	460	1	US-09-647-540A-2	Sequence 2, Appl1
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1001	6	1.8	465	4	PCT-US93-08386-5	Sequence 5, Appli	1074	6	1.8	547	2	US-09-489-039A-12089	Sequence 12089, A
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1005	6	1.8	472	2	US-09-902-540-11899	Sequence 11899, A	1078	6	1.8	550	2	US-09-198-452A-557	Sequence 557, App
1006	6	1.8	473	4	PCT-US93-08386-9	Sequence 9, Appli	1079	6	1.8	550	2	US-09-438-185A-518	Sequence 518, App
1007	6	1.8	475	2	US-09-543-681A-4698	Sequence 4698, Ap	1080	6	1.8	551	2	US-08-804-060-2	Sequence 2, Appli
1008	6	1.8	475	2	US-09-248-796A-20067	Sequence 20067, A	1081	6	1.8	552	2	US-08-745-404-3	Sequence 3, Appli
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1031	6	1.8	494	2	US-09-949-002-462	Sequence 462, App	1104	6	1.8	583	2	US-09-401-476-2	Sequence 2, Appli
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1040	6	1.8	502	2	US-09-499-302A-2	Sequence 2, Appli	1113	6	1.8	592	2	US-09-671-325-1809	Sequence 1809, Ap
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1046	6	1.8	504	2	US-09-652-603-6	Sequence 6, Appli	1119	6	1.8	600	2	US-09-583-110-5198	Sequence 5198, Ap
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1132	6	1.8	607	2	US-08-486-099-116	Sequence 116, App	1205	6	1.8	652	2	US-09-110-116-1	Sequence 1, Appli
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1172	6	1.8	614	1	US-08-291-299-7	Sequence 7, Appli	1245	6	1.8	702	2	US-09-232-197-102	Sequence 102, App
1173	6	1.8	614	1	US-08-291-299-8	Sequence 8, Appli	1246	6	1.8	702	2	US-09-232-201-102	Sequence 102, App
1174	6	1.8	614	1	US-09-343-361-12	Sequence 12, Appli	1247	6	1.8	702	2	US-09-232-195-102	Sequence 102, App
1175	6	1.8	614	4	US-09-919-039-378	Sequence 378, App	1248	6	1.8	703	2	US-08-646-273-23	Sequence 273, Appli
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1181	6	1.8	618	2	US-09-252-991A-20259	Sequence 20259, A	1254	6	1.8	730	2	US-09-999-833A-102	Sequence 102, App
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1287	6	1.8	763	2	US-09-765-271-66	Sequence 66, Appl1	1360	6	1.8	867	1	US-08-220-151-7	Sequence 7, Appl1
1288	6	1.8	763	2	US-09-765-272A-66	Sequence 66, Appl1	1361	6	1.8	868	1	US-08-413-118-7	Sequence 7, Appl1
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1293	6	1.8	776	2	US-09-536-784-66	Sequence 86, Appl1	1366	6	1.8	876	2	US-08-407-875-2	Sequence 2, Appl1
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1307	6	1.8	802	2	US-10-020-445A-169	Sequence 169, App	1380	6	1.8	884	1	US-08-465-976A-2	Sequence 2, Appl1
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US-09-314-093-59

Sequence 59, Appl

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US-09-314-093-61

Sequence 61, Appl

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US-08-933-891-6

Sequence 6, Appli

RESULT 1

US-10-012-231A-423

Sequence 423, Application US/10012231A

Patent No. 692435

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Deonoyers, Luc

APPLICANT: Eaton, Dan J.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gao, Wei-Qiang

APPLICANT: Goddard, Audrey

APPLICANT: Goddard, Paul J.

APPLICANT: Grimaldi, Christopher J.

APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth J.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

FILE REFERENCE: P2830P1C23

CURRENT APPLICATION NUMBER: US/10/012, 231A

CURRENT FILING DATE: 2002-06-10

Prior Application removed - See File Wrapper or Palm

NUMBER OF SEQ ID NOS: 477

SEQ ID NO 423

LENGTH: 337

TYPE: PRT

ORGANISM: Homo sapiens

US-10-012-231A-423

Query Match

Best Local Similarity 100.0%; Score 337; DB 2; Length 337;

Best Local Similarity 100.0%; Pred. No. 1,4e-306; Indels 0; Gaps 0;

Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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: APPLICANT: Paoni, Nicholas F.
: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
: FILE REFERENCE: P2830P1C47
: CURRENT FILING DATE: 2001-12-11
: PRIOR APPLICATION NUMBER: US/10/015,671A
: NUMBER OF SEQ ID NOS: 477
: SEQ ID NO 423
: LENGTH: 337
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-015-671A-423

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Best Local Similarity 100.0%; Pred. No. 1,4e-306;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 5
US-10-015-393A-423
: Sequence 423, Application US/10015393A
: Patent No. 6951737
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Botstein, David
: APPLICANT: Deenoyers, Luc
: APPLICANT: Baton, Dan I.
: APPLICANT: Ferrara, Napoleone
: APPLICANT: Fong, Sherman
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Grimaldi, Christopher J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Hillan, Kenneth J.
: APPLICANT: Pan, James
: APPLICANT: Paoni, Nicholas F.
: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
: FILE REFERENCE: P2830P1C46
: CURRENT FILING DATE: 2002-06-10
: PRIOR APPLICATION NUMBER: US/10/015,393A
: NUMBER OF SEQ ID NOS: 477
: SEQ ID NO 423
: LENGTH: 337
: TYPE: PRT
: ORGANISM: Homo sapiens
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US-10-015-393A-423

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RESULT 6
US-10-011-833A-423
: Sequence 423, Application US/10011833A
: Patent No. 6951920
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Botstein, David
: APPLICANT: Deenoyers, Luc
: APPLICANT: Baton, Dan I.
: APPLICANT: Ferrara, Napoleone
: APPLICANT: Fong, Sherman
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Grimaldi, Christopher J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Hillan, Kenneth J.
: APPLICANT: Pan, James
: APPLICANT: Paoni, Nicholas F.
: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
: FILE REFERENCE: P2830P1C22
: CURRENT FILING DATE: 2002-06-25
: PRIOR APPLICATION NUMBER: US/10/011,833A
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: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-011-833A-423

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Best Local Similarity 100.0%; Pred. No. 1,4e-306;
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RESULT 7
US-10-006-041A-423
; Sequence 423, Application US/10006041A
; Patent No. 6951921
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830PIC8
; CURRENT APPLICATION NUMBER: US/10/006,041A
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 423
; LENGTH: 337
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-006-041A-423

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Db      121 SEHOINSEATPAELHIYHSDSYDSLSBAERPOGLAVGLILEVGETKNIAYEHILSH 180
Qy      181 LHEVRAHKDQKTSVPPFNILRELLPKQLQGYFRYNGSLTTPPCYQSVLMTVFRRSQISMEO 240
Db      181 LHEVRAHKDQKTSVPPFNILRELLPKQLQGYFRYNGSLTTPPCYQSVLMTVFRRSQISMEO 240
Qy      241 LEKIQGLTFSTEEBPSKLVQNYRALQPLNORMVFASFIQAGSSYTTGEMLSLGVGLIVG 300
Db      241 LEKIQGLTFSTEEBPSKLVQNYRALQPLNORMVFASFIQAGSSYTTGEMLSLGVGLIVG 300
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Db      241 LEKIQGLTFSTEEBPSKLVQNYRALQPLNORMVFASFIQAGSSYTTGEMLSLGVGLIVG 300
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US-10-012-064A-423
; Sequence 423, Application US/10012064A
; Patent No. 6953841
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830PIC9
; CURRENT APPLICATION NUMBER: US/10/012,064A
; PRIOR FILING DATE: 2002-07-15
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098750
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098821
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098843
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/099536
; PRIOR FILING DATE: 1998-09-09
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; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 423
; LENGTH: 337
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-012-064A-423

Query Match      100.0%; Score 337; DB 2; Length 337;
Best Local Similarity 100.0%; Pred. No. 1,4e-306; Mismatches 0; Indels 0; Gaps 0;
Matches 337; Conservative 0;

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Qy      121 SEHOINSEATPAELHIYHSDSYDSLSBAERPOGLAVGLILEVGETKNIAYEHILSH 180
Db      121 SEHOINSEATPAELHIYHSDSYDSLSBAERPOGLAVGLILEVGETKNIAYEHILSH 180
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QY 181 LHEVRHDKQTSVPPFNRLBELPKQLGQYFYNGLTTPPCYQSVLMTVFPFRSQISMEQ 240  
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QY 241 LEKLGQTLFSTEEPSKLLVQNYRVALQPLNQRMVFASFIOAGSSYTTGEMLSLGVGLIYG 300  
Db 241 LEKLGQTLFSTEEPSKLLVQNYRVALQPLNQRMVFASFIOAGSSYTTGEMLSLGVGLIYG 300  
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RESULT 9  
US-08-481-658B-54  
; Sequence 54, Application US/08481658B  
; Patent No. 5955075  
; GENERAL INFORMATION:  
; APPLICANT: Zavada, Jan  
; APPLICANT: Pastorekova, Silvia  
; APPLICANT: Pastorek, Jaromir  
; TITLE OF INVENTION: MN Gene and Protein  
; NUMBER OF SEQUENCES: 86  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Leona L. Lauder  
; STREET: 6 Mariposa Court  
; CITY: Tiburon  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94920  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/481.658B  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/260,190  
; FILING DATE: 15-JUN-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lauder, Leona L.  
; REGISTRATION NUMBER: 30,863  
; REFERENCE/DOCKET NUMBER: D-0021.3B  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-435-2034  
; TELEFAX: 415-435-0727  
; INFORMATION FOR SEQ ID NO: 54:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 170 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-481-658B-54

Query Match 2.4%; Score 8; DB 1; Length 170;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 214 GSLTTPPC 221  
Db 109 GSLTTPPC 116

RESULT 10  
US-08-477-504A-54  
; Sequence 54, Application US/08477504A  
; Patent No. 5972353  
; GENERAL INFORMATION:

; APPLICANT: Zavada, Jan  
; APPLICANT: Pastorekova, Silvia  
; APPLICANT: Pastorek, Jaromir  
; TITLE OF INVENTION: MN Gene and Protein  
; NUMBER OF SEQUENCES: 86  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Leona L. Lauder  
; STREET: 6 Mariposa Court  
; CITY: Tiburon  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94920  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
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; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/477.504A  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/260,190  
; FILING DATE: 15-JUN-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lauder, Leona L.  
; REGISTRATION NUMBER: 30,863  
; REFERENCE/DOCKET NUMBER: D-0021.3D  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-435-2034  
; TELEFAX: 415-435-0727  
; INFORMATION FOR SEQ ID NO: 54:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 170 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-477-504A-54

Query Match 2.4%; Score 8; DB 1; Length 170;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 214 GSLTTPPC 221  
Db 109 GSLTTPPC 116

RESULT 11  
US-08-486-756A-54  
; Sequence 54, Application US/08486756A  
; Patent No. 5981711  
; GENERAL INFORMATION:  
; APPLICANT: Zavada, Jan  
; APPLICANT: Pastorekova, Silvia  
; APPLICANT: Pastorek, Jaromir  
; TITLE OF INVENTION: MN Gene and Protein  
; NUMBER OF SEQUENCES: 86  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Leona L. Lauder  
; STREET: 6 Mariposa Court  
; CITY: Tiburon  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94920  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
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; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/486.756A  
; FILING DATE: 07-JUN-1995

CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/260,190  
FILING DATE: 15-JUN-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Lauder, Leona L.  
REGISTRATION NUMBER: 30,863  
REFERENCE/DOCKET NUMBER: D-0021.3C  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-435-2034  
TELEFAX: 415-435-0727  
INFORMATION FOR SEQ ID NO: 54:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 170 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-486-756A-54

Query Match 2.4%; Score 8; DB 1; Length 170;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 214 GSLTTPPC 221  
Db 109 GSLTTPPC 116

RESULT 12  
US-08-485-862B-54

Sequence 54, Application US/08485862B  
Patent No. 5989838

\* GENERAL INFORMATION:

APPLICANT: Zavada, Jan  
APPLICANT: Pastorekova, Silvia

APPLICANT: Pastorek, Jaromir  
TITLE OF INVENTION: MN Gene and Protein

NUMBER OF SEQUENCES: 86  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Leona L. Lauder  
STREET: 6 Mariposa Court

CITY: Tiburon  
STATE: California

COUNTRY: USA  
ZIP: 94920

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/485,862B  
FILING DATE: 07-JUN-1995

CLASSIFICATION: 435  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/477,504  
FILING DATE: 07-JUN-1995

APPLICATION NUMBER: US 08/260,190  
FILING DATE: 15-JUN-1994

ATTORNEY/AGENT INFORMATION:  
NAME: Lauder, Leona L.

REGISTRATION NUMBER: 30,863  
REFERENCE/DOCKET NUMBER: D-0021.3D

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-435-2034

TELEFAX: 415-435-0727  
INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:  
LENGTH: 170 amino acids

TYPE: amino acid  
TOPOLOGY: linear

MOLECULE TYPE: protein  
US-08-485-862B-54

Query Match 2.4%; Score 8; DB 1; Length 170;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 214 GSLTTPPC 221  
Db 109 GSLTTPPC 116

RESULT 13

US-08-487-077A-54

Sequence 54, Application US/08487077A  
Patent No. 6069242

\* GENERAL INFORMATION:

APPLICANT: Zavada, Jan  
APPLICANT: Pastorekova, Silvia

APPLICANT: Pastorek, Jaromir  
TITLE OF INVENTION: MN Gene and Protein

NUMBER OF SEQUENCES: 86  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Leona L. Lauder  
STREET: 6 Mariposa Court

CITY: Tiburon  
STATE: California

COUNTRY: USA  
ZIP: 94920

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

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SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/487,077A  
FILING DATE: 07-JUN-1995

CLASSIFICATION: 514  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/260,190  
FILING DATE: 15-JUN-1994

APPLICATION NUMBER: US 08/260,190  
FILING DATE: 15-JUN-1994

ATTORNEY/AGENT INFORMATION:  
NAME: Lauder, Leona L.

REGISTRATION NUMBER: 30,863  
REFERENCE/DOCKET NUMBER: D-0021.3H

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-435-2034

TELEFAX: 415-435-0727  
INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:  
LENGTH: 170 amino acids

TYPE: amino acid  
TOPOLOGY: linear

MOLECULE TYPE: protein  
US-08-487-077A-54

Query Match 2.4%; Score 8; DB 2; Length 170;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 214 GSLTTPPC 221  
Db 109 GSLTTPPC 116

RESULT 14

US-08-485-863A-54

Sequence 54, Application US/08485863A  
Patent No. 6093548

\* GENERAL INFORMATION:

APPLICANT: Zavada, Jan  
APPLICANT: Pastorekova, Silvia

APPLICANT: Pastorek, Jaromir  
TITLE OF INVENTION: MN Gene and Protein

NUMBER OF SEQUENCES: 86

CORRESPONDENCE ADDRESS:  
ADDRESSEE: Leona L. Lauder  
STREET: 6 Mariposa Court  
CITY: Tiburon  
STATE: California  
COUNTRY: USA  
ZIP: 94920  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/485,863A  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/260,190  
FILING DATE: 15-JUN-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Lauder, Leona L.  
REGISTRATION NUMBER: 30,863  
REFERENCE/DOCKET NUMBER: D-0021.3G  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-435-2034  
TELEFAX: 415-435-0727  
INFORMATION FOR SEQ ID NO: 54:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 170 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-485-863A-54

Query Match 2.4%; Score 8; DB 2; Length 170;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 214 GSLTTPPC 221  
Db 109 GSLTTPPC 116

RESULT 15  
US-08-485-049D-54  
Sequence 54, Application US/08485049D  
Patent No. 6204370  
GENERAL INFORMATION:  
APPLICANT: Zavada, Jan  
APPLICANT: Pastorekova, Silvia  
APPLICANT: Pastorek, Jaromir  
TITLE OF INVENTION: MN Gene and Protein  
NUMBER OF SEQUENCES: 86  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Leona L. Lauder  
STREET: 369 Pine Street  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/485,049D  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/260,190  
FILING DATE: 15-JUN-1994  
ATTORNEY/AGENT INFORMATION:

NAME: Lauder, Leona L.  
REGISTRATION NUMBER: 30,863  
REFERENCE/DOCKET NUMBER: D-0021.3E  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-981-0332  
TELEFAX: 415-981-2034  
INFORMATION FOR SEQ ID NO: 54:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 170 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-485-049D-54

Query Match 2.4%; Score 8; DB 2; Length 170;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 214 GSLTTPPC 221  
Db 109 GSLTTPPC 116

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GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: March 7, 2006, 13:09:15 ; Search time 47 Seconds  
(without alignments)  
592.802 Million cell updates/sec

Title: US-10-063-584-74  
Perfect score: 1779  
Sequence: 1 MLPSALLLEVIWLAADGQ.....KRLNRKSVVETSAQTTEA 337

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Gapop 10.0 , Gapext 0.5

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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 1500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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4	1779	100.0	337	2	US-10-015-671A-423
5	1779	100.0	337	2	US-10-015-393A-423
6	1779	100.0	337	2	US-10-011-833A-423
7	1779	100.0	337	2	US-10-006-041A-423
8	1779	100.0	337	2	US-10-012-064A-423
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10	696.5	39.2	354	1	US-08-776-088-2
11	696.5	39.2	354	1	US-08-776-088-6
12	696.5	39.2	354	2	US-09-325-320-2
13	696.5	39.2	354	2	US-09-585-109-2
14	696.5	39.2	354	2	US-09-949-016-6043
15	696.5	39.2	354	4	PCT-US95-09145A-2
16	696.5	39.2	354	4	PCT-US95-09145A-6
17	696.5	39.2	392	2	US-09-949-016-9900
18	691.5	38.9	325	1	US-08-276-919-4
19	691.5	38.9	325	4	PCT-US95-09145A-4
20	691.5	38.9	325	1	US-08-276-919-13
21	689.5	38.8	325	1	US-08-776-088-18
22	689.5	38.8	325	4	PCT-US95-09145A-18
23	689.5	38.8	274	4	US-08-776-088-15
24	654.5	36.8	274	4	PCT-US95-09145A-15
25	648.5	36.5	271	1	US-08-276-919-10
26	648.5	36.5	271	1	US-08-776-088-13
27	648.5	36.5	271	1	Sequence 13, Appl

28	648.5	36.5	271	4	PCT-US95-09145A-13	Sequence 13, Appl
29	562	31.6	422	2	US-08-335-469-2	Sequence 2, Appl
30	562	31.6	422	2	US-08-260-190-2	Sequence 2, Appl
31	562	31.6	459	1	US-08-481-658B-2	Sequence 2, Appl
32	562	31.6	459	1	US-08-477-504A-2	Sequence 2, Appl
33	562	31.6	459	1	US-08-466-756A-2	Sequence 2, Appl
34	562	31.6	459	1	US-08-465-862B-2	Sequence 2, Appl
35	562	31.6	459	2	US-08-787-739-2	Sequence 2, Appl
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42	562	31.6	459	2	US-08-260-190-6	Sequence 6, Appl
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48	533.5	30.0	256	1	US-08-481-658B-51	Sequence 51, Appl
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50	533.5	30.0	256	1	US-08-466-756A-51	Sequence 51, Appl
51	533.5	30.0	256	1	US-08-485-862B-51	Sequence 51, Appl
52	533.5	30.0	256	2	US-08-487-077A-51	Sequence 51, Appl
53	533.5	30.0	256	2	US-08-485-663A-51	Sequence 51, Appl
54	533.5	30.0	256	2	US-08-485-049D-51	Sequence 51, Appl
55	533.5	30.0	256	2	US-09-772-719B-51	Sequence 51, Appl
56	533.5	30.0	257	2	US-08-787-739-51	Sequence 51, Appl
57	533.5	30.0	257	2	US-09-178-115-51	Sequence 51, Appl
58	533.5	30.0	257	2	US-09-177-776-51	Sequence 51, Appl
59	519.5	29.2	262	1	US-08-015-986A-11	Sequence 11, Appl
60	519.5	29.2	262	1	US-08-446-363-11	Sequence 11, Appl
61	493	27.7	262	1	US-08-015-973-8	Sequence 8, Appl
62	493	27.7	262	1	US-08-448-164-8	Sequence 8, Appl
63	493	27.7	262	2	US-08-081-929-8	Sequence 8, Appl
64	493	27.7	262	2	US-10-000-954-8	Sequence 8, Appl
65	458.5	25.8	1442	1	US-08-015-986A-3	Sequence 3, Appl
66	458.5	25.8	1442	1	US-08-446-363-3	Sequence 3, Appl
67	451.5	25.4	1445	1	US-08-015-986A-2	Sequence 2, Appl
68	451.5	25.4	1445	1	US-08-446-363-2	Sequence 2, Appl
69	439.5	24.7	267	1	US-08-015-973-3	Sequence 3, Appl
70	439.5	24.7	267	1	US-08-448-164-3	Sequence 3, Appl
71	439.5	24.7	267	2	US-08-081-929-3	Sequence 3, Appl
72	439.5	24.7	267	2	US-10-000-954-3	Sequence 3, Appl
73	421	23.7	287	2	US-09-949-016-10412	Sequence 10412, A
74	420	23.6	259	1	US-08-015-973-5	Sequence 5, Appl
75	420	23.6	259	1	US-08-448-164-5	Sequence 5, Appl
76	420	23.6	259	2	US-08-081-929-5	Sequence 5, Appl
77	420	23.6	259	2	US-10-000-954-5	Sequence 5, Appl
78	420	23.6	260	1	US-08-015-986A-9	Sequence 9, Appl
79	420	23.6	260	1	US-08-446-363-9	Sequence 9, Appl
80	420	23.6	260	2	US-08-927-128-4	Sequence 4, Appl
81	420	23.6	260	2	US-09-976-594-444	Sequence 644, App
82	414	23.3	429	4	US-07-964-589-2	Sequence 2, Appl
83	414	23.3	429	4	PCT-US93-0202A-2	Sequence 2, Appl
84	411	23.1	264	2	US-09-949-016-6-599	Sequence 6599, Ap
85	410	23.0	288	2	US-08-595-868C-12	Sequence 12, Appl
86	410	23.0	288	2	US-09-139-819A-12	Sequence 12, Appl
87	410	23.0	288	2	US-09-750-913-12	Sequence 12, Appl
88	406	22.8	259	2	US-08-015-986A-10	Sequence 10, Appl
89	406	22.8	259	1	US-08-015-973-6	Sequence 6, Appl
90	406	22.8	259	1	US-08-446-363-10	Sequence 10, Appl
91	406	22.8	259	1	US-08-448-164-6	Sequence 6, Appl
92	406	22.8	259	2	US-08-081-929-6	Sequence 6, Appl
93	406	22.8	259	2	US-10-000-954-6	Sequence 6, Appl
94	406	22.8	364	2	US-09-949-016-8113	Sequence 8113, Ap
95	405	22.8	421	2	US-09-938-270B-1	Sequence 1, Appl
96	393	22.1	261	1	US-08-015-973-9	Sequence 9, Appl
97	393	22.1	261	1	US-08-448-164-9	Sequence 9, Appl
98	393	22.1	261	1	US-08-081-929-9	Sequence 9, Appl
99	393	22.1	261	2	US-10-000-954-9	Sequence 9, Appl
100	387	21.8	288	2	US-09-949-016-8850	Sequence 8850, Ap

101	385.5	21.7	170	1	US-08-481-658B-54	Sequence 54, Appl	174	97	5.5	5.18	2	US-09-521-109-19	Sequence 19, Appl
102	385.5	21.7	170	1	US-08-477-504A-54	Sequence 54, Appl	175	97	5.5	5.18	2	US-09-562-332-15	Sequence 19, Appl
103	385.5	21.7	170	1	US-08-466-756A-54	Sequence 54, Appl	176	97	5.5	5.18	2	US-08-974-180-15	Sequence 15, Appl
104	385.5	21.7	170	1	US-08-485-862B-54	Sequence 54, Appl	177	97	5.5	5.18	2	US-09-248-796A-16089	Sequence 16089, A
105	385.5	21.7	170	2	US-08-487-077A-54	Sequence 54, Appl	178	96	5.4	3.74	2	US-09-638-937-2	Sequence 2, Appl
106	385.5	21.7	170	2	US-08-485-863A-54	Sequence 54, Appl	179	95.5	5.4	3.46	2	US-09-270-767-45452	Sequence 45452, A
107	385.5	21.7	170	2	US-08-485-049D-54	Sequence 54, Appl	180	95	5.3	8.10	2	US-09-538-092-1275	Sequence 1275, Ap
108	385.5	21.7	170	2	US-09-772-719B-54	Sequence 54, Appl	181	95	5.3	9.53	2	US-09-845-583A-1	Sequence 4, Appl
109	380.5	21.4	260	1	US-08-015-973-4	Sequence 4, Appl	182	95	5.3	9.53	2	US-10-037-417-50	Sequence 50, Appl
110	380.5	21.4	260	1	US-08-448-164-4	Sequence 4, Appl	183	95	5.3	16.34	2	US-10-037-417-49	Sequence 49, Appl
111	380.5	21.4	260	2	US-08-081-929-4	Sequence 4, Appl	184	95	5.3	3.695	2	US-10-037-182-2	Sequence 2, Appl
112	380.5	21.4	260	2	US-10-000-954-4	Sequence 4, Appl	185	93	5.2	9.08	2	US-10-037-417-4	Sequence 4, Appl
113	380.5	21.4	261	1	US-08-015-986A-8	Sequence 8, Appl	186	93	5.2	1640	2	US-10-037-417-8	Sequence 8, Appl
114	380.5	21.4	261	1	US-08-446-363-8	Sequence 8, Appl	187	92	5.2	7.46	2	US-09-252-991A-29228	Sequence 2228, A
115	380.5	21.4	261	2	US-09-802-674-4	Sequence 4, Appl	188	91	5.1	5.34	2	US-09-087-134-11	Sequence 11, Appl
116	374.5	21.1	260	2	US-08-081-929-10	Sequence 10, Appl	189	91	5.1	6.94	2	US-09-328-352-7276	Sequence 7276, Ap
117	374.5	21.1	260	2	US-10-000-954-10	Sequence 10, Appl	190	89	5.0	5.60	2	US-09-139-064-6	Sequence 6, Appl
118	373	21.0	268	1	US-08-015-973-7	Sequence 7, Appl	191	89	5.0	5.60	2	US-09-487-370-6	Sequence 6, Appl
119	373	21.0	268	1	US-08-448-164-7	Sequence 7, Appl	192	89	5.0	5.60	2	US-09-248-796A-22980	Sequence 22980, A
120	373	21.0	268	2	US-08-081-929-7	Sequence 7, Appl	193	88	4.9	3.28	2	US-09-489-847-310	Sequence 310, App
121	373	21.0	268	2	US-10-000-954-7	Sequence 7, Appl	194	87.5	4.9	4.24	2	US-10-029-180-104	Sequence 104, App
122	365	20.5	373	1	US-08-015-986A-14	Sequence 14, Appl	195	87.5	4.9	6.24	2	US-09-877-730-24	Sequence 24, Appl
123	365	20.5	373	1	US-08-446-363-14	Sequence 14, Appl	196	87.5	4.9	7.12	2	US-09-877-730-22	Sequence 22, Appl
124	365	20.5	2308	1	US-08-015-973-1	Sequence 1, Appl	197	87.5	4.9	7.93	2	US-09-877-730-28	Sequence 28, Appl
125	365	20.5	2308	1	US-08-448-164-1	Sequence 1, Appl	198	87.5	4.9	9.91	2	US-09-877-730-12	Sequence 12, Appl
126	365	20.5	2308	1	US-08-081-929-2	Sequence 2, Appl	199	87.5	4.9	1.069	2	US-09-877-730-18	Sequence 18, Appl
127	365	20.5	2308	2	US-10-000-954-2	Sequence 2, Appl	200	87.5	4.9	1.072	2	US-09-877-730-18	Sequence 18, Appl
128	365	20.5	2314	2	US-09-816-703A-2	Sequence 2, Appl	201	87.5	4.9	11.50	2	US-08-807-661A-56	Sequence 56, Appl
129	363	20.4	344	2	US-09-270-767-41438	Sequence 41438, A	202	86.5	4.9	3.07	2	US-08-946-719A-56	Sequence 56, Appl
130	362	20.3	266	1	US-08-015-986A-12	Sequence 12, Appl	203	86.5	4.9	3.07	2	US-09-210-681-56	Sequence 56, Appl
131	362	20.3	266	1	US-08-446-363-12	Sequence 12, Appl	204	86.5	4.9	3.07	2	US-08-946-719A-56	Sequence 56, Appl
132	360.5	20.3	270	1	US-08-452-052-1	Sequence 1, Appl	205	86.5	4.9	3.07	2	US-09-547-983-56	Sequence 56, Appl
133	288.5	16.2	328	1	US-09-977-767-1	Sequence 1, Appl	206	85.5	4.8	1.457	2	US-09-436-874-2	Sequence 2, Appl
134	288.5	16.2	328	2	US-09-999-833A-358	Sequence 358, App	207	85	4.8	3.51	2	US-09-252-991A-29992	Sequence 2992, A
135	288.5	16.2	328	2	US-10-020-445A-358	Sequence 358, App	208	85	4.8	9.84	1	US-08-449-645A-19	Sequence 19, Appl
136	288.5	16.2	385	2	US-09-949-016-11213	Sequence 11213, A	209	85	4.8	9.84	1	US-08-702-367A-19	Sequence 19, Appl
137	280.5	15.8	201	1	US-08-469-667-18	Sequence 18, Appl	210	85	4.8	9.84	4	PCT-US95-04681-19	Sequence 19, Appl
138	280.5	15.8	201	2	US-09-224-110-18	Sequence 18, Appl	211	85	4.8	2.273	2	US-09-426-998-5	Sequence 5, Appl
139	280.5	15.8	201	2	US-09-988-292A-18	Sequence 18, Appl	212	84.5	4.7	1.184	1	US-08-446-038B-20	Sequence 20, Appl
140	280.5	15.8	201	4	PCT-US95-07289-18	Sequence 18, Appl	213	84.5	4.7	1.184	1	US-08-446-010B-20	Sequence 20, Appl
141	266	15.0	235	1	US-08-015-986A-13	Sequence 13, Appl	214	84.5	4.7	1.184	1	US-08-805-445-20	Sequence 20, Appl
142	266	15.0	235	1	US-08-446-363-13	Sequence 13, Appl	215	84.5	4.7	1.184	1	US-08-066-208-20	Sequence 20, Appl
143	257.5	14.5	782	2	US-09-270-767-44626	Sequence 44626, A	216	84.5	4.7	1.184	1	US-08-460-900C-62	Sequence 62, Appl
144	250.5	14.1	486	2	US-09-270-767-60075	Sequence 60075, A	217	84.5	4.7	1.129	2	US-08-674-509B-48	Sequence 48, Appl
145	243.5	13.7	132	2	US-09-513-999C-4373	Sequence 4373, Ap	218	84.5	4.7	1.299	2	US-08-954-698-48	Sequence 48, Appl
146	176	9.9	147	2	US-09-270-767-33301	Sequence 33301, A	219	84.5	4.7	1.299	2	US-09-639-695-62	Sequence 62, Appl
147	169.5	9.5	443	2	US-09-270-767-33409	Sequence 33409, A	220	84.5	4.7	1.299	2	US-09-448-188-48	Sequence 48, Appl
148	169.5	9.5	443	2	US-09-270-767-48626	Sequence 48626, A	221	84.5	4.7	1.299	2	US-08-954-128-48	Sequence 48, Appl
149	169.5	9.5	430	1	US-08-945-848-8	Sequence 8, Appl	222	84.5	4.7	1.299	2	US-08-954-128-48	Sequence 48, Appl
150	160.5	9.0	106	2	US-09-107-767-33324	Sequence 33324, A	223	84.5	4.7	1.299	2	US-08-954-740-48	Sequence 48, Appl
151	158.5	8.9	234	2	US-09-170-532A-5283	Sequence 5283, Ap	224	84.5	4.7	1.457	2	US-09-713-273A-18	Sequence 18, Appl
152	156	8.8	105	2	US-09-513-999C-5350	Sequence 5350, Ap	225	84	4.7	6.97	2	US-09-949-016-9660	Sequence 9660, Ap
153	150.5	8.5	144	2	US-09-621-976-5098	Sequence 5098, Ap	226	83.5	4.7	5.01	2	US-08-857-076-102	Sequence 102, App
154	119	6.7	123	2	US-09-270-767-33649	Sequence 33649, A	227	83.5	4.7	5.47	2	US-09-877-730-26	Sequence 26, Appl
155	119	6.7	123	2	US-09-270-767-48866	Sequence 48866, A	228	83.5	4.7	6.86	2	US-09-877-730-30	Sequence 30, Appl
156	114.5	6.4	3647	2	US-09-949-016-10932	Sequence 10932, A	229	83.5	4.7	9.04	2	US-09-328-352-3303	Sequence 3303, Appl
157	112	6.3	140	2	US-09-270-767-33338	Sequence 33338, A	230	83.5	4.7	8.26	2	US-09-877-730-16	Sequence 16, Appl
158	112	6.3	140	2	US-09-270-767-48555	Sequence 48555, A	231	83.5	4.7	9.07	2	US-09-877-730-20	Sequence 20, Appl
159	105.5	5.9	1439	1	US-08-449-644-2	Sequence 2, Appl	232	83.5	4.7	9.85	2	US-09-877-730-10	Sequence 10, Appl
160	105.5	5.9	1439	1	US-08-087-244A-2	Sequence 2, Appl	233	83.5	4.7	9.85	1	US-08-357-588-8	Sequence 8, Appl
161	104	5.8	3597	2	US-10-037-417-6	Sequence 6, Appl	234	83.5	4.7	1.187	1	US-08-097-997A-13	Sequence 13, Appl
162	104	5.8	3600	2	US-10-037-417-2	Sequence 2, Appl	235	83.5	4.7	1.187	1	US-09-003-269-8	Sequence 8, Appl
163	103.5	5.8	1457	1	US-08-652-971-3	Sequence 3, Appl	236	83.5	4.7	1.187	1	US-08-665-574C-13	Sequence 13, Appl
164	103.5	5.8	1457	1	US-08-449-644-1	Sequence 1, Appl	237	83.5	4.7	1.187	2	US-08-946-994-13	Sequence 13, Appl
165	103.5	5.8	1457	1	US-08-087-244A-1	Sequence 1, Appl	238	83.5	4.7	1.187	2	US-09-972-800A-18	Sequence 18, Appl
166	103.5	5.8	1457	1	US-08-991-258A-3	Sequence 3, Appl	239	83.5	4.7	1.187	2	PCT-US95-16435-8	Sequence 8, Appl
167	103.5	5.8	1457	1	US-08-769-399-3	Sequence 3, Appl	240	83.5	4.7	1.187	4	US-09-713-273A-16	Sequence 16, Appl
168	103.5	5.8	1457	2	US-08-991-953A-3	Sequence 3, Appl	241	83.5	4.7	1.469	2	US-09-394-812B-22	Sequence 22, Appl
169	100	5.6	104	2	US-09-270-767-33498	Sequence 33498, A	242	83	4.7	4.57	2	US-09-244-805-18	Sequence 18, Appl
170	100	5.6	104	2	US-09-270-767-48715	Sequence 48715, A	243	83	4.7	9.84	1	US-08-673-789-9	Sequence 9, Appl
171	98	5.5	530	2	US-08-486-049-3	Sequence 3, Appl	244	83	4.7	9.84	1	US-09-699-295-1	Sequence 1, Appl
172	98	5.5	530	2	US-10-314-739A-3	Sequence 3, Appl	245	83	4.7	2.907	2	US-09-699-295-1	Sequence 1, Appl
173	97	5.5	518	2	US-09-113-309-19	Sequence 19, Appl	246	82.5	4.6	3.07	2	US-10-037-417-91	Sequence 91, Appl



247	82.5	4.6	479	2	US-09-004-838-123	Sequence 123, App	320	78.5	4.4	1454	2	US-09-388-221B-10	Sequence 10, Appl
248	82.5	4.6	635	2	US-10-101-464A-932	Sequence 932, App	321	78	4.4	254	2	US-09-248-796A-27114	Sequence 27114, A
249	81.5	4.6	372	2	US-09-638-937-4	Sequence 4, Appli	322	78	4.4	280	2	US-10-101-464A-6116	Sequence 614, App
250	81.5	4.6	664	2	US-09-107-532A-7252	Sequence 7252, Ap	323	78	4.4	400	2	US-09-538-092-1146	Sequence 1146, Ap
251	81.5	4.6	994	2	US-09-949-016-6779	Sequence 6779, Ap	324	78	4.4	852	2	US-09-206-551-19	Sequence 19, Appl
252	81	4.6	189	2	US-09-902-540-16173	Sequence 16173, A	325	78	4.4	905	2	US-09-340-620A-52	Sequence 52, Appl
253	81	4.6	411	1	US-08-399-561-2	Sequence 2, Appli	326	78	4.4	905	2	US-09-728-721-52	Sequence 52, Appl
254	81	4.6	460	2	US-09-147-955-2	Sequence 2, Appli	327	78	4.4	1152	1	US-08-476-062A-43	Sequence 43, Appl
255	81	4.6	513	2	US-09-252-991A-32658	Sequence 32658, A	328	78	4.4	1152	4	PCT-US96-01314-43	Sequence 43, Appl
256	81	4.6	561	2	US-09-902-540-15714	Sequence 15714, A	329	78	4.4	1152	6	5424399-2	Patent No. 5424399
257	81	4.6	1055	2	US-09-949-016-9776	Sequence 9776, Ap	330	77.5	4.4	1227	2	US-09-248-796A-15723	Sequence 15723, A
258	81	4.6	1187	2	US-08-201-697-2	Sequence 2, Appli	331	77.5	4.4	364	2	US-09-198-452A-423	Sequence 423, App
259	80.5	4.5	552	2	US-09-248-796A-25317	Sequence 25317, A	332	77.5	4.4	364	2	US-09-438-185A-406	Sequence 406, App
260	80.5	4.5	658	2	US-09-252-991A-26319	Sequence 26319, A	333	77.5	4.4	498	2	US-10-104-047-1191	Sequence 1191, Ap
261	80.5	4.5	777	2	US-09-949-016-7158	Sequence 7158, Ap	334	77.5	4.4	563	2	US-09-252-991A-28996	Sequence 28996, A
262	80.5	4.5	857	1	US-08-659-251-2	Sequence 2, Appli	335	77.5	4.4	590	2	US-09-971-773-73	Sequence 73, Appl
263	80.5	4.5	857	2	US-09-256-450-2	Sequence 2, Appli	336	77.5	4.4	716	1	US-08-766-982-1	Sequence 1, Appli
264	80.5	4.5	857	4	PCT-US96-11445-2	Sequence 2, Appli	337	77.5	4.4	716	1	US-09-236-219-1	Sequence 1, Appli
265	80.5	4.5	1261	1	US-08-764-100-26	Sequence 26, Appli	338	77.5	4.4	1176	2	US-09-976-594-793	Sequence 793, App
266	80.5	4.5	1290	2	US-09-150-460B-6	Sequence 6, Appli	339	77.5	4.4	1222	2	US-09-593-828-15	Sequence 15, Appl
267	80	4.5	631	2	US-09-310-463-20	Sequence 20, Appl	340	77	4.3	509	1	US-08-030-096-2	Sequence 2, Appli
268	80	4.5	631	2	US-08-842-248A-20	Sequence 20, Appl	341	77	4.3	514	2	US-09-252-991A-29276	Sequence 29276, A
269	80	4.5	719	2	US-09-949-016-7766	Sequence 7766, Ap	342	77	4.3	573	2	US-09-902-540-12155	Sequence 12155, A
270	80	4.5	725	2	US-09-724-653-10	Sequence 10, Appl	343	77	4.3	751	2	US-09-252-991A-29893	Sequence 29893, A
271	80	4.5	739	1	US-07-618-946B-22	Sequence 22, Appl	344	77	4.3	802	2	US-09-252-991A-23824	Sequence 23824, A
272	80	4.5	814	1	US-07-618-946B-23	Sequence 23, Appl	345	77	4.3	963	2	US-09-328-352-4544	Sequence 4544, Ap
273	79.5	4.5	365	2	US-09-328-352-6107	Sequence 6107, Ap	346	77	4.3	1412	2	US-09-949-002-486	Sequence 486, App
274	79.5	4.5	494	2	US-09-949-002-462	Sequence 462, App	347	77	4.3	1419	2	US-09-252-991A-31822	Sequence 31822, A
275	79.5	4.5	524	2	US-09-171-553B-4	Sequence 4, Appli	348	77	4.3	2220	2	US-09-949-016-9730	Sequence 9730, Ap
276	79.5	4.5	743	2	US-09-724-653-8	Sequence 8, Appli	349	77	4.3	4090	2	US-09-236-662-34	Sequence 34, Appl
277	79.5	4.5	748	2	US-09-061-764A-19	Sequence 19, Appl	350	76.5	4.3	260	2	US-09-540-226-5594	Sequence 2594, A
278	79.5	4.5	808	2	US-09-917-254-52	Sequence 52, Appl	351	76.5	4.3	318	2	US-09-888-623-16	Sequence 16, Appl
279	79.5	4.5	823	2	US-09-107-532A-5667	Sequence 5667, Ap	352	76.5	4.3	424	2	US-09-902-540-10575	Sequence 10575, A
280	79.5	4.5	850	2	US-09-129-603-2	Sequence 2, Appli	353	76.5	4.3	472	2	US-09-134-000C-3883	Sequence 3883, Ap
281	79.5	4.5	1064	2	US-10-104-047-3830	Sequence 3830, Ap	354	76.5	4.3	484	2	US-09-270-767-42785	Sequence 42785, A
282	79.5	4.5	1207	2	US-09-540-406-6	Sequence 6, Appli	355	76.5	4.3	504	2	US-09-104-047-1872	Sequence 1872, Ap
283	79.5	4.5	1285	1	US-08-656-055-6	Sequence 6, Appli	356	76.5	4.3	566	2	US-09-023-731-1	Sequence 1, Appli
284	79.5	4.5	1285	2	US-08-954-668-6	Sequence 6, Appli	357	76.5	4.3	566	2	US-09-911-969-1	Sequence 1, Appli
285	79.5	4.5	1285	2	US-08-918-658-6	Sequence 6, Appli	358	76.5	4.3	696	2	US-09-252-991A-20587	Sequence 20587, A
286	79.5	4.5	1285	2	US-08-918-658-6	Sequence 6, Appli	359	76.5	4.3	752	2	US-09-633-542-89	Sequence 89, Appl
287	79.5	4.5	1285	2	US-09-724-631-6	Sequence 6, Appli	360	76.5	4.3	793	2	US-09-949-016-10798	Sequence 10798, A
288	79.5	4.5	1285	2	US-08-954-701A-6	Sequence 6, Appli	361	76.5	4.3	832	2	US-09-489-039A-8936	Sequence 8936, Ap
289	79.5	4.5	1285	2	US-08-954-032-6	Sequence 6, Appli	362	76.5	4.3	1587	2	US-09-000-094-46	Sequence 46, Appl
290	79.5	4.5	1285	2	US-08-916-140-6	Sequence 6, Appli	363	76.5	4.3	1587	2	US-10-011-749-46	Sequence 46, Appl
291	79.5	4.5	1285	4	PCT-US95-13233-6	Sequence 6, Appli	364	76.5	4.3	1910	2	US-08-956-991-2	Sequence 2, Appli
292	79.5	4.5	1286	2	US-09-268-140-3	Sequence 2, Appli	365	76	4.3	336	2	US-09-902-540-16050	Sequence 16050, A
293	79.5	4.5	1307	1	US-08-395-246C-2	Sequence 2, Appli	366	76	4.3	370	2	US-09-142-551A-4	Sequence 4, Appli
294	79	4.4	357	4	PCT-US91-00899-14	Sequence 14, Appl	367	76	4.3	416	2	US-09-949-016-7756	Sequence 7756, Ap
295	79	4.4	370	2	US-09-540-236-2696	Sequence 2696, Ap	368	76	4.3	451	2	US-09-902-540-13289	Sequence 13289, A
296	79	4.4	382	2	US-09-252-991A-20201	Sequence 20201, A	369	76	4.3	457	2	US-09-416-213-2	Sequence 2, Appli
297	79	4.4	573	2	US-09-248-796A-17549	Sequence 17549, A	370	76	4.3	457	2	US-09-416-213-2	Sequence 2, Appli
298	79	4.4	631	2	US-09-345-468-12	Sequence 12, Appl	371	76	4.3	457	2	US-09-035-676-2	Sequence 2, Appli
299	79	4.4	631	2	US-09-414-453A-12	Sequence 12, Appl	372	76	4.3	457	2	US-10-161-346-2	Sequence 2, Appli
300	79	4.4	655	2	US-09-228-986-70	Sequence 70, Appl	373	76	4.3	506	1	US-08-845-161A-18	Sequence 18, Appl
301	79	4.4	655	2	US-10-101-464A-70	Sequence 70, Appl	374	76	4.3	506	2	US-09-270-751-18	Sequence 18, Appl
302	79	4.4	1423	2	US-08-810-712-10	Sequence 10, Appl	375	76	4.3	525	2	US-09-543-681A-4364	Sequence 4364, Ap
303	79	4.4	1431	2	US-09-538-032-1198	Sequence 1198, Ap	376	76	4.3	563	1	US-08-651-572-2	Sequence 2, Appli
304	79	4.4	1431	2	US-09-949-002-377	Sequence 377, App	377	76	4.3	553	2	US-09-066-544-2	Sequence 2, Appli
305	79	4.4	2343	2	US-09-324-867-2	Sequence 2, Appli	378	76	4.3	553	2	US-08-951-086-2	Sequence 2, Appli
306	79	4.4	3118	1	US-08-457-273B-8	Sequence 8, Appli	379	76	4.3	553	2	US-09-430-669-2	Sequence 2, Appli
307	78.5	4.4	1197	2	US-09-270-767-46202	Sequence 46202, A	380	76	4.3	575	2	US-10-104-047-1221	Sequence 2221, Ap
308	78.5	4.4	381	1	US-08-585-758A-2	Sequence 2, Appli	381	76	4.3	645	2	US-09-949-016-7344	Sequence 7344, Ap
309	78.5	4.4	381	1	US-08-977-818-2	Sequence 2, Appli	382	76	4.3	1055	2	US-09-489-039A-9150	Sequence 9150, Ap
310	78.5	4.4	381	1	US-08-670-274B-2	Sequence 2, Appli	383	76	4.3	2509	2	US-09-252-991A-16642	Sequence 16642, Ap
311	78.5	4.4	381	1	US-08-786-999-3	Sequence 3, Appli	384	75.5	4.2	300	2	US-09-099-041A-4	Sequence 4, Appli
312	78.5	4.4	381	1	US-09-146-187-2	Sequence 2, Appli	385	75.5	4.2	300	2	US-09-245-281-4	Sequence 4, Appli
313	78.5	4.4	381	2	US-09-216-387-3	Sequence 3, Appli	386	75.5	4.2	300	2	US-09-207-359B-4	Sequence 4, Appli
314	78.5	4.4	381	2	US-09-804-690-2	Sequence 2, Appli	387	75.5	4.2	300	2	US-09-340-620A-4	Sequence 4, Appli
315	78.5	4.4	391	2	US-09-886-319A-1	Sequence 1, Appli	388	75.5	4.2	300	2	US-09-865-164-4	Sequence 4, Appli
316	78.5	4.4	448	2	US-09-949-016-9938	Sequence 9938, Ap	389	75.5	4.2	304	2	US-09-728-721-4	Sequence 4, Appli
317	78.5	4.4	845	2	US-09-949-016-11413	Sequence 11413, A	390	75.5	4.2	304	2	US-09-270-767-43346	Sequence 43346, A
318	78.5	4.4	1028	2	US-09-949-016-9650	Sequence 9650, Ap	391	75.5	4.2	461	2	US-09-147-955-6	Sequence 6, Appli
319	78.5	4.4	1424	2	US-09-388-221B-12	Sequence 12, Appl	392	75.5	4.2	482	1	US-08-135-510-5	Sequence 5, Appli

393	75.5	4.2	482	1	US-08-483-852-5	Sequence 5, Appli	466	74.5	4.2	752	2	US-09-159-469-61	Sequence 61, Appli
394	75.5	4.2	482	1	US-08-477-953-5	Sequence 5, Appli	467	74.5	4.2	752	2	US-09-693-542-61	Sequence 61, Appli
395	75.5	4.2	482	1	US-08-477-952-5	Sequence 5, Appli	468	74.5	4.2	835	2	US-09-196-270-7	Sequence 7, Appli
396	75.5	4.2	504	1	US-08-135-511-28	Sequence 28, Appli	469	74.5	4.2	833	2	US-09-491-356C-23	Sequence 23, Appli
397	75.5	4.2	504	1	US-08-483-852-8	Sequence 8, Appli	470	74.5	4.2	846	2	US-09-134-001C-3067	Sequence 3067, Ap
398	75.5	4.2	504	1	US-08-361-458-3	Sequence 3, Appli	471	74.5	4.2	933	2	US-09-949-016-8386	Sequence 8386, Ap
399	75.5	4.2	504	1	US-08-477-953-8	Sequence 8, Appli	472	74.5	4.2	933	2	US-09-949-016-8387	Sequence 8387, Ap
400	75.5	4.2	504	1	US-08-187-453-8	Sequence 28, Appli	473	74.5	4.2	933	2	US-09-949-016-8059	Sequence 8059, Ap
401	75.5	4.2	504	1	US-08-477-952-8	Sequence 8, Appli	474	74.5	4.2	1053	2	US-08-863-118-3	Sequence 3, Appli
402	75.5	4.2	504	1	US-09-762-415-4	Sequence 4, Appli	475	74.5	4.2	1313	2	US-09-071-035-450	Sequence 450, App
403	75.5	4.2	507	2	US-09-949-016-10802	Sequence 10802, A	476	74.5	4.2	1313	2	US-09-071-035-454	Sequence 454, App
404	75.5	4.2	531	2	US-09-252-991A-17650	Sequence 17650, A	477	74.5	4.2	1313	2	US-10-206-576-454	Sequence 450, App
405	75.5	4.2	540	2	US-09-019-942-1	Sequence 1, Appli	478	74.5	4.2	1313	2	US-10-206-576-450	Sequence 450, App
406	75.5	4.2	540	2	US-09-099-041A-2	Sequence 2, Appli	479	74	4.2	166	2	US-09-732-210-616	Sequence 3, Appli
407	75.5	4.2	540	2	US-09-069-023-27	Sequence 27, Appli	480	74	4.2	290	2	US-09-134-001C-3401	Sequence 3401, A
408	75.5	4.2	540	2	US-09-245-281-2	Sequence 2, Appli	481	74	4.2	301	2	US-09-992-540-13071	Sequence 13071, A
409	75.5	4.2	540	2	US-09-470-271-1	Sequence 2, Appli	482	74	4.2	330	2	US-09-145-391-2	Sequence 2, Appli
410	75.5	4.2	540	2	US-09-207-359B-2	Sequence 1, Appli	483	74	4.2	330	2	US-09-794-591-2	Sequence 2, Appli
411	75.5	4.2	540	2	US-09-340-620A-2	Sequence 2, Appli	484	74	4.2	330	2	US-09-725-945-5	Sequence 5, Appli
412	75.5	4.2	540	2	US-09-345-473B-28	Sequence 28, Appli	485	74	4.2	374	2	US-10-104-047-3578	Sequence 3, Appli
413	75.5	4.2	540	2	US-09-865-364-2	Sequence 2, Appli	486	74	4.2	414	2	US-09-248-796A-16417	Sequence 16417, A
414	75.5	4.2	540	2	US-09-748-537-1	Sequence 1, Appli	487	74	4.2	497	2	US-09-248-796A-16678	Sequence 16017, A
415	75.5	4.2	540	2	US-09-981-337A-14	Sequence 14, Appli	488	74	4.2	692	2	US-10-101-464A-897	Sequence 897, App
416	75.5	4.2	540	2	US-09-862-027-28	Sequence 28, Appli	489	74	4.2	696	2	US-09-710-279-2922	Sequence 2922, App
417	75.5	4.2	540	2	US-09-728-721-2	Sequence 2, Appli	490	74	4.2	704	2	US-10-104-047-3501	Sequence 3501, Ap
418	75.5	4.2	540	2	US-09-771-161A-184	Sequence 184, App	491	74	4.2	789	2	US-09-252-991A-27011	Sequence 27011, A
419	75.5	4.2	541	2	US-09-134-000C-5420	Sequence 1340, Ap	492	74	4.2	989	2	US-09-079-030-218	Sequence 218, App
420	75.5	4.2	586	2	US-09-339-159B-10	Sequence 10, Appli	493	74	4.2	1183	2	US-09-134-001C-3530	Sequence 3530, Ap
421	75.5	4.2	689	2	US-10-207-706-2	Sequence 2, Appli	494	74	4.2	1183	2	US-09-698-295-10	Sequence 10, Appli
422	75.5	4.2	758	1	US-07-756-250-16	Sequence 16, Appli	495	74	4.2	2781	2	US-09-902-540-12593	Sequence 1593, A
423	75.5	4.2	766	2	US-09-949-016-10058	Sequence 10058, A	496	74	4.2	2867	2	US-08-246-982A-16	Sequence 16, Appli
424	75	4.2	66	2	US-09-513-999C-5649	Sequence 5649, Ap	497	74	4.2	3119	1	US-08-453-265-16	Sequence 16, Appli
425	75	4.2	211	2	US-09-543-681A-7263	Sequence 7263, Ap	498	74	4.2	3623	2	US-09-341-461-2	Sequence 2, Appli
426	75	4.2	284	2	US-09-786-240-7	Sequence 7, Appli	499	74	4.2	123	2	US-09-134-000C-6096	Sequence 6096, Ap
427	75	4.2	393	1	US-08-837-593-3	Sequence 3, Appli	500	73.5	4.1	297	2	US-09-248-796A-22761	Sequence 22761, A
428	75	4.2	657	2	US-10-104-047-2529	Sequence 2529, Ap	501	73.5	4.1	309	2	US-08-530-862B-8	Sequence 8, Appli
429	75	4.2	720	2	US-09-480-921B-8	Sequence 8, Appli	502	73.5	4.1	309	2	US-08-530-862B-8	Sequence 8, Appli
430	75	4.2	998	2	US-09-540-236-3801	Sequence 3801, Ap	503	73.5	4.1	309	2	US-08-885-189-8	Sequence 8, Appli
431	74.5	4.2	229	2	US-09-394-142B-8	Sequence 8, Appli	504	73.5	4.1	363	2	US-08-914-372C-37	Sequence 37, Appli
432	74.5	4.2	300	2	US-10-104-047-3050	Sequence 3050, Ap	505	73.5	4.1	365	1	US-08-447-500-4	Sequence 4, Appli
433	74.5	4.2	342	2	US-09-538-092-776	Sequence 776, App	506	73.5	4.1	365	1	US-08-454-097-4	Sequence 4, Appli
434	74.5	4.2	354	2	US-09-338-907-74	Sequence 74, Appli	507	73.5	4.1	365	1	US-08-453-866-4	Sequence 4, Appli
435	74.5	4.2	354	2	US-09-218-207-74	Sequence 74, Appli	508	73.5	4.1	365	1	US-09-100-664A-13	Sequence 13, Appli
436	74.5	4.2	387	1	US-08-314-596-40	Sequence 40, Appli	509	73.5	4.1	365	2	US-08-185-359-4	Sequence 4, Appli
437	74.5	4.2	387	1	US-08-314-596-42	Sequence 42, Appli	510	73.5	4.1	365	2	US-08-135-983-13	Sequence 13, Appli
438	74.5	4.2	387	1	US-08-320-982-40	Sequence 40, Appli	511	73.5	4.1	365	2	US-09-553-867A-13	Sequence 13, Appli
439	74.5	4.2	387	1	US-08-320-982-42	Sequence 42, Appli	512	73.5	4.1	365	2	US-09-559-867-13	Sequence 13, Appli
440	74.5	4.2	387	1	US-08-819-037-40	Sequence 40, Appli	513	73.5	4.1	365	2	US-09-543-681A-5589	Sequence 5589, Ap
441	74.5	4.2	387	1	US-08-819-037-40	Sequence 40, Appli	514	73.5	4.1	499	2	US-08-985-492-14	Sequence 14, Appli
442	74.5	4.2	387	2	US-08-819-037-42	Sequence 42, Appli	515	73.5	4.1	499	2	US-09-949-016-5906	Sequence 5906, Ap
443	74.5	4.2	387	2	US-08-530-862B-5	Sequence 5, Appli	516	73.5	4.1	608	2	US-09-134-001C-3395	Sequence 3395, Ap
444	74.5	4.2	387	2	US-08-597-313D-5	Sequence 5, Appli	517	73.5	4.1	611	2	US-09-710-279-2586	Sequence 2586, Ap
445	74.5	4.2	387	2	US-09-059-769-14	Sequence 14, Appli	518	73.5	4.1	657	1	US-08-264-534-34	Sequence 34, Appli
446	74.5	4.2	387	2	US-09-161-994A-18	Sequence 18, Appli	519	73.5	4.1	657	1	US-08-083-530A-13	Sequence 13, Appli
447	74.5	4.2	387	2	US-09-045-940-40	Sequence 40, Appli	520	73.5	4.1	657	1	US-08-465-500-24	Sequence 24, Appli
448	74.5	4.2	387	2	US-09-045-940-42	Sequence 42, Appli	521	73.5	4.1	657	1	US-08-346-128-14	Sequence 14, Appli
449	74.5	4.2	387	2	US-09-638-937-6	Sequence 6, Appli	522	73.5	4.1	657	2	US-08-532-384-13	Sequence 13, Appli
450	74.5	4.2	387	2	US-09-885-189-5	Sequence 5, Appli	523	73.5	4.1	657	2	US-08-893-828-14	Sequence 34, Appli
451	74.5	4.2	396	2	US-09-142-551A-3	Sequence 3, Appli	524	73.5	4.1	657	2	US-08-893-828-14	Sequence 26707, A
452	74.5	4.2	459	2	US-09-543-681A-5116	Sequence 5116, Ap	525	73.5	4.1	664	2	US-09-248-796A-26707	Sequence 6, Appli
453	74.5	4.2	468	2	US-10-104-047-3829	Sequence 3829, Ap	526	73.5	4.1	732	2	US-10-070-634-6	Sequence 2080, A
454	74.5	4.2	469	2	US-09-252-991A-36584	Sequence 26584, A	527	73.5	4.1	746	2	US-09-248-796A-20280	Sequence 1, Appli
455	74.5	4.2	487	2	US-09-583-110-3352	Sequence 3252, Ap	528	73.5	4.1	749	2	US-09-913-955A-1	Sequence 4, Appli
456	74.5	4.2	491	2	US-09-107-433-4631	Sequence 4631, Ap	529	73.5	4.1	803	1	US-08-951-648-4	Sequence 4, Appli
457	74.5	4.2	522	1	US-08-625-322-2	Sequence 2, Appli	530	73.5	4.1	803	1	US-09-174-437-4	Sequence 4, Appli
458	74.5	4.2	547	2	US-09-134-000C-5974	Sequence 5974, Ap	531	73.5	4.1	803	2	US-09-686-055A-4	Sequence 4, Appli
459	74.5	4.2	627	2	US-09-071-035-452	Sequence 452, App	532	73.5	4.1	1047	2	US-09-252-991A-29125	Sequence 29125, A
460	74.5	4.2	627	2	US-10-206-576-452	Sequence 452, App	533	73.5	4.1	1180	2	US-09-543-681A-6436	Sequence 6436, Ap
461	74.5	4.2	678	2	US-09-196-270-1	Sequence 1, Appli	534	73.5	4.1	2471	1	US-08-185-432-16	Sequence 16, Appli
462	74.5	4.2	696	2	US-09-134-000C-4874	Sequence 4874, Ap	535	73.5	4.1	2471	1	US-08-083-590A-19	Sequence 19, Appli
463	74.5	4.2	752	2	US-08-975-762-61	Sequence 61, Appli	536	73.5	4.1	2471	2	US-08-532-384-19	Sequence 19, Appli
464	74.5	4.2	752	2	US-09-295-028-61	Sequence 61, Appli	537	73.5	4.1	2471	2	US-08-899-222-1	Sequence 1, Appli
465	74.5	4.2	752	2	US-09-106-582-61	Sequence 61, Appli	538	73.5	4.1	2471	2	US-09-121-457-1	Sequence 1, Appli

539	73	4.1	243	2	US-09-248-796A-15919	Sequence 15919, A	612	72	4.0	383	2	US-08-530-862B-6	Sequence 6, Appli
540	73	4.1	284	2	US-09-248-796A-24957	Sequence 24957, A	613	72	4.0	383	2	US-08-597-313D-6	Sequence 6, Appli
541	73	4.1	318	2	US-09-107-552A-5738	Sequence 5738, Ap	614	72	4.0	383	2	US-09-059-769-9	Sequence 9, Appli
542	73	4.1	321	2	US-09-248-796A-2016	Sequence 20146, A	615	72	4.0	383	2	US-09-161-994A-14	Sequence 14, Appli
543	73	4.1	368	2	US-09-902-540-15739	Sequence 15739, A	616	72	4.0	383	2	US-09-133-962A-2	Sequence 2, Appli
544	73	4.1	382	1	US-08-872-302-2	Sequence 2, Appli	617	72	4.0	383	2	US-09-045-940A-1	Sequence 41, Appli
545	73	4.1	383	2	US-09-059-769-12	Sequence 12, Appli	618	72	4.0	383	2	US-09-763-311-4	Sequence 4, Appli
546	73	4.1	383	2	US-09-161-994A-16	Sequence 16, Appli	619	72	4.0	383	2	US-09-697-379-2	Sequence 2, Appli
547	73	4.1	420	2	US-09-902-540-10528	Sequence 10528, A	620	72	4.0	383	2	US-10-116-212A-2	Sequence 6, Appli
548	73	4.1	420	2	US-10-104-047-2022	Sequence 2022, Ap	621	72	4.0	384	2	US-09-885-189-6	Sequence 16, Appli
549	73	4.1	470	2	US-09-618-425-7	Sequence 7, Appli	622	72	4.0	384	2	US-09-354-218B-16	Sequence 16, Appli
550	73	4.1	584	2	US-09-270-767-43419	Sequence 43419, A	623	72	4.0	384	2	US-09-128-602B-16	Sequence 16, Appli
551	73	4.1	605	2	US-09-248-796A-15879	Sequence 15879, A	624	72	4.0	384	2	US-09-995-297-16	Sequence 16, Appli
552	73	4.1	631	2	US-09-252-991A-26007	Sequence 26007, A	625	72	4.0	392	2	US-09-711-164-375	Sequence 375, App
553	73	4.1	648	2	US-09-031-553-5	Sequence 5, Appli	626	72	4.0	397	2	US-09-252-991A-20668	Sequence 20668, A
554	73	4.1	648	2	US-09-392-277-5	Sequence 5, Appli	627	72	4.0	400	1	US-08-878-989-17	Sequence 17, Appli
555	73	4.1	648	2	US-09-258-000-5	Sequence 5, Appli	628	72	4.0	400	2	US-09-212-796-17	Sequence 17, Appli
556	73	4.1	807	2	US-09-177-650-3	Sequence 3, Appli	629	72	4.0	400	2	US-09-543-681A-6151	Sequence 6151, Ap
557	73	4.1	884	1	US-08-474-067-8	Sequence 8, Appli	630	72	4.0	439	2	US-09-248-796A-15969	Sequence 15969, A
558	73	4.1	884	1	US-08-474-068A-8	Sequence 8, Appli	631	72	4.0	462	2	US-09-252-991A-17536	Sequence 17536, A
559	73	4.1	884	1	US-08-472-481-7	Sequence 7, Appli	632	72	4.0	474	2	US-09-248-796A-19995	Sequence 19995, A
560	73	4.1	884	1	US-10-037-417-38	Sequence 38, Appli	633	72	4.0	479	2	US-09-198-452A-763	Sequence 763, App
561	73	4.1	984	2	US-09-328-352-6926	Sequence 6926, Ap	634	72	4.0	498	2	US-09-438-185A-718	Sequence 718, App
562	73	4.1	1078	2	US-09-248-796A-20284	Sequence 20284, A	635	72	4.0	524	2	US-09-902-540-10459	Sequence 10459, A
563	73	4.1	3892	2	US-09-328-352-5503	Sequence 5503, Ap	636	72	4.0	556	2	US-09-625-188-2	Sequence 2, Appli
564	72.5	4.1	210	2	US-09-997-165-6	Sequence 6, Appli	637	72	4.0	585	2	US-09-949-016-7134	Sequence 7134, Ap
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566	72.5	4.1	368	2	US-09-540-236-3172	Sequence 3172, Ap	639	72	4.0	638	2	US-09-134-000C-4864	Sequence 4864, Ap
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568	72.5	4.1	376	2	US-08-458-834-1	Sequence 1, Appli	641	72	4.0	647	2	US-09-392-277-7	Sequence 7, Appli
569	72.5	4.1	385	2	US-09-328-352-4372	Sequence 4372, Ap	642	72	4.0	647	2	US-09-258-000-7	Sequence 7, Appli
570	72.5	4.1	387	2	US-09-133-962A-12	Sequence 12, Appli	643	72	4.0	656	2	US-09-538-092-654	Sequence 654, App
571	72.5	4.1	387	2	US-09-697-379-12	Sequence 12, Appli	644	72	4.0	680	2	US-09-107-552A-4798	Sequence 4798, Ap
572	72.5	4.1	387	2	US-10-116-212A-12	Sequence 12, Appli	645	72	4.0	714	1	US-08-472-354-3	Sequence 3, Appli
573	72.5	4.1	400	2	US-09-543-681A-5821	Sequence 5821, Ap	646	72	4.0	920	2	US-09-949-016-7178	Sequence 7178, Ap
574	72.5	4.1	431	2	US-09-438-185A-567	Sequence 567, App	647	72	4.0	963	1	US-08-537-002A-3	Sequence 3, Appli
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577	72.5	4.1	479	2	US-08-852-782-3	Sequence 3, Appli	650	72	4.0	1055	2	US-09-031-553-37	Sequence 27, Appli
578	72.5	4.1	633	2	US-09-949-016-11734	Sequence 11734, A	651	72	4.0	1055	2	US-09-392-277-27	Sequence 27, Appli
579	72.5	4.1	639	2	US-09-543-681A-6148	Sequence 6148, Ap	652	72	4.0	1055	2	US-09-258-000-27	Sequence 27, Appli
580	72.5	4.1	700	2	US-09-976-594-67	Sequence 67, Appli	653	72	4.0	1058	2	US-09-902-540-15976	Sequence 15976, A
581	72.5	4.1	700	2	US-09-538-092-893	Sequence 893, App	654	72	4.0	1177	2	US-09-795-927-2	Sequence 2, Appli
582	72.5	4.1	715	2	US-09-252-991A-19235	Sequence 19235, A	655	72	4.0	1259	2	US-09-902-540-16442	Sequence 16442, A
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584	72.5	4.1	727	2	US-09-487-558B-296	Sequence 296, App	657	72	4.0	1315	2	US-09-031-553-25	Sequence 25, Appli
585	72.5	4.1	776	2	US-09-523-849-34	Sequence 34, Appli	658	72	4.0	1315	2	US-09-293-505-10	Sequence 10, Appli
586	72.5	4.1	917	2	US-09-438-185A-380	Sequence 380, App	659	72	4.0	1315	2	US-09-392-277-25	Sequence 25, Appli
587	72.5	4.1	1156	2	US-09-198-452A-171	Sequence 171, App	660	72	4.0	1315	2	US-09-392-277-25	Sequence 2, Appli
588	72.5	4.1	1434	1	US-08-540-406-10	Sequence 10, Appli	661	72	4.0	1315	2	US-09-258-000-2	Sequence 2, Appli
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591	72.5	4.1	1434	2	US-08-918-658-10	Sequence 10, Appli	664	72	4.0	2304	2	US-09-324-867-4	Sequence 4, Appli
592	72.5	4.1	1434	2	US-09-724-631-10	Sequence 10, Appli	665	72	4.0	265	2	US-09-795-926-6	Sequence 6, Appli
593	72.5	4.1	1434	2	US-08-954-701A-10	Sequence 10, Appli	666	71.5	4.0	265	2	US-10-364-774-2	Sequence 2, Appli
594	72.5	4.1	1434	2	US-09-754-032-10	Sequence 10, Appli	667	71.5	4.0	273	2	US-10-364-774-6	Sequence 6, Appli
595	72.5	4.1	1434	2	US-08-916-140-10	Sequence 10, Appli	668	71.5	4.0	287	1	US-08-632-353-7	Sequence 25511, A
596	72.5	4.1	1434	2	US-08-916-140-10	Sequence 10, Appli	669	71.5	4.0	287	1	US-08-632-353-9	Sequence 7, Appli
597	72.5	4.1	1562	4	PCT-US95-13233-10	Sequence 152, App	670	71.5	4.0	287	1	US-08-826-350-9	Sequence 9, Appli
598	72.5	4.1	3135	1	US-08-323-170B-2	Sequence 2, Appli	671	71.5	4.0	303	2	US-09-795-926-2	Sequence 2, Appli
599	72.5	4.1	3135	1	US-08-954-441-2	Sequence 2, Appli	672	71.5	4.0	303	2	US-10-364-774-2	Sequence 2, Appli
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601	72	4.0	131	2	US-09-805-694B-14	Sequence 14, Appli	674	71.5	4.0	306	2	US-10-037-417-90	Sequence 90, Appli
602	72	4.0	244	2	US-09-807-258-20	Sequence 20, Appli	675	71.5	4.0	361	2	US-08-914-312C-7	Sequence 7, Appli
603	72	4.0	270	2	US-09-328-352-4465	Sequence 4465, Ap	676	71.5	4.0	364	2	US-08-914-312C-10	Sequence 10, Appli
604	72	4.0	322	2	US-09-949-016-8007	Sequence 8007, Ap	677	71.5	4.0	411	2	US-09-506-078-23	Sequence 23, Appli
605	72	4.0	375	2	US-09-270-767-39877	Sequence 39877, A	678	71.5	4.0	431	2	US-09-248-796A-17560	Sequence 17560, A
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607	72	4.0	380	2	US-09-902-540-11937	Sequence 11937, A	680	71.5	4.0	453	2	US-09-543-681A-5871	Sequence 5871, Ap
608	72	4.0	382	2	US-08-811-177A-2	Sequence 2, Appli	681	71.5	4.0	480	2	US-09-999-833A-385	Sequence 385, App
609	72	4.0	383	1	US-08-314-596-4	Sequence 41, Appli	682	71.5	4.0	480	2	US-10-020-445A-385	Sequence 385, App
610	72	4.0	383	1	US-08-320-982-41	Sequence 41, Appli	683	71.5	4.0	502	2	US-09-949-016-10424	Sequence 10424, A
611	72	4.0	383	2	US-08-819-037-41	Sequence 41, Appli	684	71.5	4.0	519	2	US-08-956-171E-5230	Sequence 5230, Ap

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686	71.5	4.0	560	2	US-09-614-912-130	Sequence 130, App	759	71	4.0	3144	1	US-08-453-265-6	Sequence 6, Appl1
687	71.5	4.0	635	2	US-09-252-991A-21514	Sequence 21514, A	760	71	4.0	3144	1	US-08-457-273B-42	Sequence 42, Appl1
688	71.5	4.0	646	2	US-09-270-767-46432	Sequence 46432, A	761	71	4.0	3144	2	US-08-556-419-21	Sequence 21, Appl1
689	71.5	4.0	703	2	US-08-646-273-35	Sequence 25, Appl1	762	71	4.0	3144	2	US-09-041-886-15	Sequence 15, Appl1
690	71.5	4.0	749	2	US-09-562-737-95	Sequence 95, Appl1	763	71	4.0	3144	2	US-09-538-092-1118	Sequence 1118, Ap
691	71.5	4.0	753	2	US-08-646-273-36	Sequence 96, Appl1	764	70.5	4.0	219	2	US-09-648-004-16	Sequence 16, Appl1
692	71.5	4.0	758	2	US-08-646-273-36	Sequence 96, Appl1	765	70.5	4.0	219	2	US-10-272-419-16	Sequence 16, Appl1
693	71.5	4.0	758	2	US-09-198-452A-996	Sequence 320, App	766	70.5	4.0	255	1	US-08-592-214A-10	Sequence 10, Appl1
694	71.5	4.0	770	2	US-09-949-002-320	Sequence 320, App	767	70.5	4.0	255	1	US-08-659-188A-10	Sequence 10, Appl1
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697	71.5	4.0	876	1	US-08-717-515-4	Sequence 4, Appl1	770	70.5	4.0	255	2	US-09-149-976-10	Sequence 10, Appl1
698	71.5	4.0	954	2	US-09-198-452A-395	Sequence 395, App	771	70.5	4.0	255	2	US-09-358-326-10	Sequence 10, Appl1
699	71.5	4.0	954	2	US-09-996-611D-1	Sequence 1, Appl1	772	70.5	4.0	255	2	US-09-853-450-10	Sequence 10, Appl1
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701	71.5	4.0	1165	1	US-08-240-357-2	Sequence 2, Appl1	774	70.5	4.0	262	2	US-09-205-358-1012	Sequence 1012, Ap
702	71.5	4.0	1233	2	US-09-194-613-5	Sequence 5, Appl1	775	70.5	4.0	286	2	US-10-004-660-1012	Sequence 1012, Ap
703	71.5	4.0	1276	1	US-08-717-515-8	Sequence 8, Appl1	776	70.5	4.0	341	6	US-09-401-636-3	Sequence 3, Appl1
704	71.5	4.0	1436	1	US-08-652-971-2	Sequence 2, Appl1	777	70.5	4.0	349	6	5510466-2	Patent No. 5510466
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706	71.5	4.0	1436	1	US-08-766-399-2	Sequence 2, Appl1	779	70.5	4.0	388	1	US-08-232-519-2	Sequence 2, Appl1
707	71.5	4.0	1436	1	US-08-991-953A-2	Sequence 2, Appl1	780	70.5	4.0	388	1	US-08-456-956-2	Sequence 2, Appl1
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710	71	4.0	250	2	US-09-134-000C-4896	Sequence 4896, Ap	783	70.5	4.0	453	6	5510466-4	Patent No. 5510466
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713	71	4.0	400	1	US-08-878-989-3	Sequence 3, Appl1	786	70.5	4.0	481	2	US-08-979-847B-106	Sequence 106, App
714	71	4.0	400	2	US-09-272-796-3	Sequence 3, Appl1	787	70.5	4.0	493	2	US-08-979-847B-106	Sequence 26, Appl1
715	71	4.0	469	2	US-10-101-464A-939	Sequence 939, App	788	70.5	4.0	506	2	US-08-942-012B-26	Sequence 26, Appl1
716	71	4.0	469	2	US-08-363-215-1	Sequence 1, Appl1	789	70.5	4.0	506	2	US-09-252-991A-23541	Sequence 23541, A
717	71	4.0	474	2	US-08-807-342B-6	Sequence 6, Appl1	790	70.5	4.0	617	2	US-09-252-991A-22318	Sequence 22318, A
718	71	4.0	475	2	US-09-328-352-5724	Sequence 5724, Ap	791	70.5	4.0	617	2	US-09-252-991A-22318	Sequence 22318, A
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720	71	4.0	530	2	US-09-041-886-28	Sequence 28, Appl1	793	70.5	4.0	700	2	US-09-902-540-11256	Sequence 11256, A
721	71	4.0	538	2	US-09-041-886-29	Sequence 29, Appl1	794	70.5	4.0	770	2	US-10-104-047-2533	Sequence 2533, Ap
722	71	4.0	552	2	US-09-457-040B-23	Sequence 23, Appl1	795	70.5	4.0	773	2	US-09-252-991A-19916	Sequence 19916, A
723	71	4.0	570	2	US-09-041-886-30	Sequence 30, Appl1	796	70.5	4.0	848	2	US-09-491-356C-22	Sequence 22, Appl1
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725	71	4.0	593	2	US-09-041-886-31	Sequence 31, Appl1	798	70.5	4.0	971	2	US-09-538-092-1332	Sequence 1332, Ap
726	71	4.0	593	2	US-08-964-268-2	Sequence 2, Appl1	799	70.5	4.0	1113	2	US-09-618-425-9	Sequence 9, Appl1
727	71	4.0	593	2	US-09-105-254-2	Sequence 2, Appl1	800	70.5	4.0	1118	1	US-08-724-344D-2	Sequence 2, Appl1
728	71	4.0	598	2	US-10-413-536-2	Sequence 2, Appl1	801	70.5	4.0	1118	2	US-09-270-984A-2	Sequence 2, Appl1
729	71	4.0	604	2	US-09-583-110-3070	Sequence 1070, Ap	802	70.5	4.0	1183	2	US-09-248-796A-14987	Sequence 14987, A
730	71	4.0	635	2	US-09-107-433-4348	Sequence 4348, Ap	803	70.5	4.0	1315	2	US-09-902-540-16086	Sequence 16086, A
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732	71	4.0	706	1	US-08-484-105-16	Sequence 16, Appl1	805	70.5	4.0	1447	1	US-08-540-406-19	Sequence 19, Appl1
733	71	4.0	706	1	US-08-484-105-16	Sequence 16, Appl1	806	70.5	4.0	1447	1	US-08-636-035-19	Sequence 19, Appl1
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735	71	4.0	724	2	US-09-724-653-9	Sequence 9, Appl1	808	70.5	4.0	1447	2	US-09-268-140-5	Sequence 5, Appl1
736	71	4.0	736	2	US-09-949-016-8076	Sequence 8076, Ap	809	70.5	4.0	1447	2	US-08-918-658-19	Sequence 19, Appl1
737	71	4.0	738	2	US-09-538-092-818	Sequence 818, App	810	70.5	4.0	1447	2	US-09-724-631-19	Sequence 19, Appl1
738	71	4.0	765	2	US-09-252-991A-19778	Sequence 19778, A	811	70.5	4.0	1447	2	US-08-954-701A-19	Sequence 19, Appl1
739	71	4.0	836	2	US-10-281-867-2	Sequence 2, Appl1	812	70.5	4.0	1447	2	US-09-807-007-6	Sequence 6, Appl1
740	71	4.0	837	2	US-09-492-709A-353	Sequence 353, App	813	70.5	4.0	1447	2	US-09-754-032-19	Sequence 19, Appl1
741	71	4.0	895	1	US-08-123-161A-8	Sequence 8, Appl1	814	70.5	4.0	1447	2	US-08-916-140-19	Sequence 19, Appl1
742	71	4.0	895	1	US-08-483-278-8	Sequence 8, Appl1	815	70.5	4.0	1447	4	PCT-US95-13233-19	Sequence 19, Appl1
743	71	4.0	895	2	US-08-949-016-6490	Sequence 6490, Ap	816	70.5	4.0	1586	2	US-09-541-681A-5329	Sequence 5329, Ap
744	71	4.0	908	2	US-09-949-016-8542	Sequence 8542, Ap	817	70.5	4.0	1778	2	US-09-252-991A-18159	Sequence 18159, A
745	71	4.0	1092	2	US-09-252-991A-28476	Sequence 28476, A	818	70	3.9	278	2	US-09-248-796A-20610	Sequence 20610, A
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747	71	4.0	1400	2	US-09-949-002-344	Sequence 344, App	820	70	3.9	308	2	US-09-252-991A-20009	Sequence 20009, A
748	71	4.0	1531	2	US-09-949-016-6740	Sequence 6740, App	821	70	3.9	323	2	US-09-543-681A-6916	Sequence 6916, Ap
749	71	4.0	1543	2	US-09-904-987-7	Sequence 7, Appl1	822	70	3.9	343	2	US-09-252-991A-26240	Sequence 26240, A
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751	71	4.0	2319	1	US-08-212-133A-8	Sequence 8, Appl1	824	70	3.9	368	2	US-09-000-032-4	Sequence 4, Appl1
752	71	4.0	2319	1	US-08-474-503-6	Sequence 6, Appl1	825	70	3.9	368	2	US-09-000-092-8	Sequence 8, Appl1
753	71	4.0	2319	1	US-08-670-707A-6	Sequence 6, Appl1	826	70	3.9	368	2	US-09-000-092-10	Sequence 10, Appl1
754	71	4.0	2319	2	US-09-037-601-6	Sequence 6, Appl1	827	70	3.9	419	2	US-09-276-438-13	Sequence 13, Appl1
755	71	4.0	2319	2	US-09-315-179-6	Sequence 6, Appl1	828	70	3.9	543	1	US-08-224-482-4	Sequence 4, Appl1
756	71	4.0	2319	4	US-09-523-656-28	Sequence 28, Appl1	829	70	3.9	543	3	US-09-702-705-337	Sequence 337, App
757	71	4.0	2319	4	PCT-US94-13200-6	Sequence 6, Appl1	830	70	3.9	543	2	US-09-736-457-337	Sequence 337, App

831	70	3.9	543	2	US-09-614-124B-337	Sequence 337, App	904	69.5	3.9	863	2	US-09-894-927B-9	Sequence 9, Appli
832	70	3.9	543	2	US-09-671-325-337	Sequence 337, App	905	69.5	3.9	879	2	US-09-872-733A-16	Sequence 16, Appli
833	70	3.9	543	2	US-09-589-184-337	Sequence 337, App	906	69.5	3.9	905	2	US-09-902-540-10223	Sequence 10223, A
834	70	3.9	543	2	US-09-658-824-337	Sequence 337, App	907	69.5	3.9	906	2	US-09-107-532A-6440	Sequence 6440, Ap
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837	70	3.9	543	2	US-09-651-563-337	Sequence 337, App	910	69.5	3.9	972	2	US-10-172-5274A-10	Sequence 10, Appli
838	70	3.9	543	2	US-09-519-642-337	Sequence 337, App	911	69.5	3.9	1233	2	US-09-605-703B-2638	Sequence 2638, Ap
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842	70	3.9	605	2	US-09-832-129-37	Sequence 37, Appli	915	69.5	3.9	1484	2	US-09-902-540-14332	Sequence 14332, A
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845	70	3.9	625	2	US-09-487-558B-294	Sequence 294, App	918	69	3.9	222	1	US-09-151-052-2	Sequence 2, Appli
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854	70	3.9	1190	2	US-09-048-887-2	Sequence 2, Appli	927	69	3.9	323	2	US-10-015-671A-210	Sequence 210, App
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898	69.5	3.9	632	4	PCT-US95-05534-4	Sequence 4, Appli	971	69	3.9	976	1	US-08-702-367A-18	Sequence 18, Appli
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979	69	3.9	1137	2	US-09-902-481B-5	Sequence 5, Appl1	1052	68.5	3.9	479	2	US-09-851-873-101	Sequence 101, App
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1042	68.5	3.9	478	2	US-09-489-155-3	Sequence 3, Appl1	1115	68	3.8	356	2	US-09-488-847-257	Sequence 257, App
1043	68.5	3.9	479	1	US-08-807-200-12	Sequence 12, Appl1	1116	68	3.8	360	2	US-10-070-464-7	Sequence 7, Appl1
1044	68.5	3.9	479	2	US-09-382-155-26	Sequence 26, Appl1	1117	68	3.8	362	2	US-09-949-002-476	Sequence 476, App
1045	68.5	3.9	479	2	US-09-382-155-28	Sequence 28, Appl1	1118	68	3.8	362	2	US-09-949-002-480	Sequence 480, App
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1049	68.5	3.9	479	2	US-09-074-044A-28	Sequence 28, Appl1	1122	68	3.8	375	2	US-09-540-236-3290	Sequence 3290, Ap



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1161	68	3.8	789	2	US-09-107-532A-6734	Sequence 6734, Ap	1234	67.5	3.8	449	2	US-09-583-110-1686	Sequence 4666, Ap
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1163	68	3.8	816	1	US-08-785-310A-8	Sequence 8, Appl	1236	67.5	3.8	472	2	US-09-489-039A-10123	Sequence 10123, Ap
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1165	68	3.8	863	2	US-09-252-991A-20821	Sequence 20821, A	1238	67.5	3.8	490	2	US-09-949-016-6091	Sequence 6091, App
1166	68	3.8	907	2	US-09-198-452A-306	Sequence 306, App	1239	67.5	3.8	498	2	US-10-142-231-91	Sequence 91, Appl
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1172	68	3.8	1023	2	US-09-902-540-12335	Sequence 15, Appl	1245	67.5	3.8	598	2	US-09-198-452A-511	Sequence 476, App
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1177	68	3.8	1172	1	US-09-560-385A-32	Sequence 13, Appl	1250	67.5	3.8	888	2	US-08-170-558-35	Sequence 35, Appl
1178	68	3.8	1193	2	US-08-317-450B-13	Sequence 13, Appl	1251	67.5	3.8	888	2	US-08-447-314-35	Sequence 35, Appl
1179	68	3.8	1193	2	US-08-800-593-13	Sequence 26, Appl	1252	67.5	3.8	888	2	US-08-445-641-35	Sequence 35, Appl
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1193	68	3.8	4551	2	US-09-793-708-1	Sequence 31, Appl	1266	67.5	3.8				
1194	68	3.8	4613	2	US-09-105-537-31	Sequence 6, Appl	1267	67.5	3.8				
1195	68	3.8	11877	2	US-09-105-537-6	Sequence 6, Appl	1268	67.5	3.8				

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1273	67.5	3.8	1452	2	US-09-127-227-2	Sequence 2, Appl1	1346	67	3.8	616	1	US-09-032-315-9	Sequence 9, Appl1
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1278	67.5	3.8	1582	2	US-08-476-900A-9	Sequence 9, Appl1	1351	67	3.8	616	2	US-09-518-901-2	Sequence 9, Appl1
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1302	67	3.8	369	2	US-09-755-665-16	Sequence 16, Appl	1375	67	3.8	1317	2	US-09-083-521-7	Sequence 7, Appl1
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1304	67	3.8	380	2	US-09-438-185A-133	Sequence 133, App	1377	67	3.8	1464	2	US-09-713-273A-21	Sequence 21, Appl
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1306	67	3.8	389	2	US-09-755-665-36	Sequence 36, Appl	1379	67	3.8	124	2	US-09-134-000C-4510	Sequence 4510, Ap
1307	67	3.8	392	2	US-09-755-665-35	Sequence 35, Appl	1380	66.5	3.7	193	2	US-09-489-039A-14196	Sequence 14196, A
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1310	67	3.8	393	1	US-08-530-950-11	Sequence 11, Appl	1383	66.5	3.7	212	1	US-08-328-352-5762	Sequence 5762, Ap
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1318	67	3.8	404	2	US-09-949-016-7963	Sequence 7963, Ap	1391	66.5	3.7	345	2	US-09-107-532A-4268	Sequence 4268, Ap
1319	67	3.8	405	2	US-09-489-039A-9411	Sequence 9411, Ap	1392	66.5	3.7	353	2	US-09-949-016-7923	Sequence 7923, App
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ALIGNMENTS

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RESULT 1
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; Sequence 423, Application US/10012231A
; Patent No. 6924355
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desmoyers, Luc
; APPLICANT: Eaton, Dan I.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830PIC23
; CURRENT APPLICATION NUMBER: US/10/012,231A
; CURRENT FILING DATE: 2002-06-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER Of SEQ ID NOS: 477
; SEQ ID NO 423
; LENGTH: 337
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-012-231A-423

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Best Local Similarity 100.0%; Pred. No. 1,6e-179;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0

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APPLICANT: Paoni, Nicholas F.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2830P1C47  
CURRENT APPLICATION NUMBER: US/10/015.671A  
CURRENT FILING DATE: 2001-12-11  
Prior application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 477  
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LENGTH: 337  
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ORGANISM: Homo sapiens  
US-10-015-671A-423

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Patent No. 6951737  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Deenoyers, Luc  
APPLICANT: Baton, Dan I.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth J.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2830P1C46  
CURRENT APPLICATION NUMBER: US/10/015.393A  
CURRENT FILING DATE: 2002-06-10  
Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 477  
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ORGANISM: Homo sapiens

US-10-015-393A-423

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Patent No. 6951920  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Deenoyers, Luc  
APPLICANT: Baton, Dan I.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth J.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2830P1C22  
CURRENT APPLICATION NUMBER: US/10/011.833A  
CURRENT FILING DATE: 2002-06-25  
Prior Application removed - See File Wrapper or Palm  
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US-10-011-833A-423

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Patent No. 6951921  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan I.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Goddard, Audrey  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth J.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2830P1C8  
CURRENT FILING DATE: 2001-12-06  
CURRENT FILING DATE: 2001-12-06  
Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 477  
SEQ ID NO 423  
LENGTH: 337  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-006-041A-423

Query Match 100.0%; Score 1779; DB 2; Length 337;  
Best Local Similarity 100.0%; Pred. No. 1,66-179;  
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLFSALLLEVTWILAAQGGHWTYEGPHGQDHMPASYPECGNNAOSPIDIOTDSVTFPPD 60  
Db 1 MLFSALLLEVTWILAAQGGHWTYEGPHGQDHMPASYPECGNNAOSPIDIOTDSVTFPPD 60  
Qy 61 LPALQPHGYDQPGTEPLDLHNNHGTVOJLSPLSTLYLGGLPKRYVAQOLHLHWGQKSPGG 120  
Db 61 LPALQPHGYDQPGTEPLDLHNNHGTVOJLSPLSTLYLGGLPKRYVAQOLHLHWGQKSPGG 120  
Qy 121 SEHQINSEATFAELHIHYVSDSYDLSSEAERPOGLAVGILLIIEVETKNIAIEHILSH 180  
Db 121 SEHQINSEATFAELHIHYVSDSYDLSSEAERPOGLAVGILLIIEVETKNIAIEHILSH 180  
Qy 181 LHEVRHNDOKTSVPPFNRLRELLPKOLQGYFRYNGSLTTPCYQSVLMTVFRRSQISMEQ 240  
Db 181 LHEVRHNDOKTSVPPFNRLRELLPKOLQGYFRYNGSLTTPCYQSVLMTVFRRSQISMEQ 240  
Qy 241 LEKIOGTLFSTEEBPSKLVNRYRALQPLNORMVPASTIQGSSYTTGEMLSLGVILVG 300  
Db 241 LEKIOGTLFSTEEBPSKLVNRYRALQPLNORMVPASTIQGSSYTTGEMLSLGVILVG 300

Db 241 LEKIOGTLFSTEEBPSKLVNRYRALQPLNORMVPASTIQGSSYTTGEMLSLGVILVG 300  
Qy 301 CLCLLAVYFIARKIRKRLKRLNRSKVFTSAQATTEA 337  
Db 301 CLCLLAVYFIARKIRKRLKRLNRSKVFTSAQATTEA 337

RESULT 8  
US-10-012-064A-423  
Sequence 423, Application US/10012064A  
Patent No. 6953841  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan I.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Goddard, Audrey  
APPLICANT: Goddard, Paul J.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth J.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2830P1C19  
CURRENT FILING DATE: 2002-07-15  
CURRENT FILING DATE: 2002-07-15  
Prior Application NUMBER: 60/098716  
Prior Application NUMBER: 60/098723  
Prior Application NUMBER: 60/098749  
Prior Application NUMBER: 60/098750  
Prior Application NUMBER: 60/098750  
Prior Application NUMBER: 60/098803  
Prior Application NUMBER: 60/098821  
Prior Application NUMBER: 60/098843  
Prior Application NUMBER: 60/098843  
Prior Application NUMBER: 60/099536  
Prior Application NUMBER: 60/099596  
Prior Application NUMBER: 60/099596  
Prior Application NUMBER: 60/099598  
Prior Application NUMBER: 60/099598  
Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 477  
SEQ ID NO 423  
LENGTH: 337  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-012-064A-423

Query Match 100.0%; Score 1779; DB 2; Length 337;  
Best Local Similarity 100.0%; Pred. No. 1,66-179;  
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLFSALLLEVTWILAAQGGHWTYEGPHGQDHMPASYPECGNNAOSPIDIOTDSVTFPPD 60  
Db 1 MLFSALLLEVTWILAAQGGHWTYEGPHGQDHMPASYPECGNNAOSPIDIOTDSVTFPPD 60  
Qy 61 LPALQPHGYDQPGTEPLDLHNNHGTVOJLSPLSTLYLGGLPKRYVAQOLHLHWGQKSPGG 120  
Db 61 LPALQPHGYDQPGTEPLDLHNNHGTVOJLSPLSTLYLGGLPKRYVAQOLHLHWGQKSPGG 120  
Qy 121 SEHQINSEATFAELHIHYVSDSYDLSSEAERPOGLAVGILLIIEVETKNIAIEHILSH 180  
Db 121 SEHQINSEATFAELHIHYVSDSYDLSSEAERPOGLAVGILLIIEVETKNIAIEHILSH 180



Db	121	SEHQINSATFALHIIYVHSDSYSLSSAABRPGSLAVGLIIIEVGTEKNIAVEHILSH	180
Qy	181	LHEVVRHKQKTSVPPFNRLRELLPKOLGOYFRYNGSLTTPPCYOSVLMTVFYRRSQISMEQ	240
Db	181	LHEVVRHKQKTSVPPFNRLRELLPKOLGOYFRYNGSLTTPPCYOSVLMTVFYRRSQISMEQ	240
Qy	241	LEKLOGTLPSTEEBESKLLVQYRYRALQPLNQRMVFPASFIQAGSSYTTGEMLSIGVGILNG	300
Db	241	LEKLOGTLPSTEEBESKLLVQYRYRALQPLNQRMVFPASFIQAGSSYTTGEMLSIGVGILNG	300
Qy	301	CLCLILAVYFLARKIRKKRLERNKRSVVFPSAQATTEA	337
Db	301	CLCLILAVYFLARKIRKKRLERNKRSVVFPSAQATTEA	337

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1      RESULT 9
2      US-08-276-919-2
3      ; Sequence 2, Application US/08276919
4      ; Patent No. 5589579
5      ; GENERAL INFORMATION:
6      ; APPLICANT: Torczynski, Richard M.
7      ; APPLICANT: Bollon, Arthur P.
8      ; TITLE OF INVENTION: Lung Cancer Marker
9      ; NUMBER OF SEQUENCES: 16
10     ; CORRESPONDENCE ADDRESS:
11     ; ADDRESSEE: RICHARDS, MEDLOCK & ANDREWS
12     ; STREET: 1201 Elm Street, Suite 4500
13     ; CITY: Dallas
14     ; STATE: TX
15     ; COUNTRY: US
16     ; ZIP: 75270-2197
17     ; COMPUTER READABLE FORM:
18     ; MEDIUM TYPE: Floppy disk
19     ; COMPUTER: IBM PC compatible
20     ; OPERATING SYSTEM: PC-DOS/MS-DOS
21     ; SOFTWARE: PatentIn Release #1.0, Version #1.25
22     ; CURRENT APPLICATION DATA:
23     ; APPLICATION NUMBER: US/08/276,919
24     ; FILING DATE:
25     ; CLASSIFICATION: 424
26     ; ATTORNEY/AGENT INFORMATION:
27     ; NAME: Nelligan, Mark C.
28     ; REGISTRATION NUMBER: 36,389
29     ; REFERENCE/DOCKET NUMBER: B35792
30     ; TELECOMMUNICATION INFORMATION:
31     ; TELEPHONE: 214-939-4500
32     ; TELEFAX: 214-939-4600
33     ; INFORMATION FOR SEQ ID NO: 2:
34     ; SEQUENCE CHARACTERISTICS:
35     ; LENGTH: 354 amino acids
36     ; TYPE: amino acid
37     ; TOPOLOGY: linear
38     ; MOLECULE TYPE: protein
39     ;
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	Query Match	39.2%	Score 696.5	DB 1	Length 354;
	Best Local Similarity	43.5%	Pred No. 6.7e-65;		
	Matches	143;	Conservative	62;	Mismatches 109; Indels 15; Gaps 7
QY	19	GQHWTYBGRHODHWPASTYPBCGNAAGSFDIDTDSVTFEPDLPALDPHGYPDOPGTETPDD	78		
Db	29	GSKATYFEGPDDESNWSKRYPSCGGLQSIPDIHSDILQLCDASLTPLPEFGYNISANKOFL	88		
QY	79	LHHNGHTVOLSLPTLYLGGELPRKYVAQAOLHLWMOXGSPGSEHQINSEATFAELHIYA	138		
Db	89	LTHNHGVATMLPSPMDIIGQLRSRYSATGLHLMWGPNPDPHGEHTVSQGNRAELHIYA	148		
QY	139	YDPSDYDLSEAAERPGCLAVLGILLVEGETKNIAYEHLISLHVKVRHNDOKTSVPRLYL	198		
Db	149	YNSDIYLRPASIRSSNBSBGDAVALAIVLEMG-SNPSPDKLFSLDHAKTKYGQEEAFVVGFIN	207		
QY	199	RELLPKQLGQYFRYNGSLTPPPCYOSVLMTVFYRRSQISMEOLEKLQGLTFLSTE-REPS-	256		

Db 208 SELLPERTAEYRYRGSILTPPCNPITLVMTVFRNPVQISQEOQLALETALVYCHMDPSP 267

Qy 257 KLVVNYALQPLNRMVWPFASFIQAGSSVTTGEMSLGV-----GIIVGCCILITAAV 309

Db 268 REMINNFQVQAFEDRLVYTSFSQV--QVCTAAGSLSGIILSLAAGIIGICLVVVSIV 325

Qy 310 FIARKIRKRLNRKSVVFTSA-QATTEA 337

Db 326 LFRRSIKK--GDNGGVIVKPKATKMETEA 352

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US-08-776-088-2
; RESULT 10
; Sequence 2, Application US/08776088
; Patent No. 5773579
; GENERAL INFORMATION:
; APPLICANT: Torczynski, Richard M.
; APPLICANT: Bollon, Arthur P.
; TITLE OF INVENTION: Lung Cancer Marker
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SIDLEY & AUSTIN
; STREET: 1201 Elm Street, Suite 4500
; CITY: Dallas
; STATE: TX
; COUNTRY: US
; ZIP: 75270-2197
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/776, 088
; FILING DATE: 19-JUL-95
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Eugenia S. Hansen
; REGISTRATION NUMBER: 31,966
; REFERENCE/DOCKET NUMBER: 10365/05011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 214-981-3300
; TELEFAX: 214-981-3400
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 354 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-776-088-2

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[illegible]

Db 268 REMINNFQVOKFEDERLVYTSFSQV--QVCTAAGLSIGIILSLALAGILGICIVVWSIW 325  
QY 310 FIARKIRKRLNKRKSVFTSA-QATTEA 337  
Db 326 LFRKRSIKK--GDNKGVIYKPAKPMETEA 352

RESULT 11  
US-08-776-088-6  
Sequence 6, Application US/08776088  
Patent No. 5773579  
GENERAL INFORMATION:  
APPLICANT: Torczynski, Richard M.  
APPLICANT: Bollon, Arthur P.  
TITLE OF INVENTION: Lung Cancer Marker  
NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SIDLEY & AUSTIN  
STREET: 1201 Elm Street, Suite 4500  
CITY: Dallas  
STATE: TX  
COUNTRY: US  
ZIP: 75270-2197  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/776,088  
FILING DATE: 19-JUL-95  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Eugenia S. Hansen  
REGISTRATION NUMBER: 31,966  
REFERENCE/DOCKET NUMBER: 10365/05011  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 214-981-3300  
TELEFAX: 214-981-3400  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 354 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-776-088-6

Query Match 39.2%; Score 696.5; DB 1; Length 354;  
Best Local Similarity 43.5%; Pred. No. 6.7e-65;  
Matches 143; Conservative 62; Mismatches 109; Indels 15; Gaps 7;

QY 19 GQHTYEGPHGQDHPASYPPECGNNAQSPIDICTSVTFPDPDLPALOPHGVDQPTPEPLD 78  
Db 29 GSKMTYFGPDGNSMSKRYSCGGLDPSIDHSIDLYDASLTPLFPGYNLSANKQFL 88  
QY 79 LNNHGTVQSLPSTLYLGGLPKRYVAAQLHLHWGOKSPGSEHQINSSEATFAELIYH 138  
Db 89 LTNNGHSVKNLPSDMHIQGLQSRYSATQLHLHGNPNDPHGSHTVSGQHPAELIYH 148  
QY 139 YDSYSLSBAARPGGLAVLGIILEVGETKNIAVEHILSHLEVRHKDQKTSVPPNL 198  
Db 149 YNSDLYPDASTASNKSGGLAVLAVLEMG-SFNPSYDKIFSHLQHVKKQGEAFVPGFNI 207  
QY 199 RELPKOLGQVFRYNGSLTTPPCYQSVLMTVYFRRSQISMEQLKGLTFSTE-BEBS- 256  
Db 208 EELLPERTAEYRYRGSLLTPPCNPTVMTVFRNPVOISQEQLLALETALYCTHMDPS 267  
QY 257 KLVQNYRALQPLNQRWVAFSFIQAGSSYTTGEMLSIGV-----GILVGLCLLLAVY 309  
Db 268 REMINNFQVOKFEDERLVYTSFSQV--QVCTAAGLSIGIILSLALAGILGICIVVWSIW 325  
QY 310 FIARKIRKRLNKRKSVFTSA-QATTEA 337

Db 326 LFRKRSIKK--GDNKGVIYKPAKPMETEA 352

RESULT 12  
US-09-325-320-2  
Sequence 2, Application US/09325320  
Patent No. 6117981  
GENERAL INFORMATION:  
APPLICANT: Torczynski, Richard M.  
APPLICANT: Bollon, Arthur P.  
TITLE OF INVENTION: HYBRIDOMAS FOR LUNG CANCER MARKER AND MONOCLONAL  
FILE REFERENCE: 10365/06101  
CURRENT APPLICATION NUMBER: US/09/325,320  
CURRENT FILING DATE: 1999-06-03  
NUMBER OF SEQ ID NOS: 2  
SOFTWARE: Patent in Ver. 2.0  
SEQ ID NO 2  
LENGTH: 354  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-325-320-2

Query Match 39.2%; Score 696.5; DB 2; Length 354;  
Best Local Similarity 43.5%; Pred. No. 6.7e-65;  
Matches 143; Conservative 62; Mismatches 109; Indels 15; Gaps 7;

QY 19 GQHTYEGPHGQDHPASYPPECGNNAQSPIDICTSVTFPDPDLPALOPHGVDQPTPEPLD 78  
Db 29 GSKMTYFGPDGNSMSKRYSCGGLDPSIDHSIDLYDASLTPLFPGYNLSANKQFL 88  
QY 79 LNNHGTVQSLPSTLYLGGLPKRYVAAQLHLHWGOKSPGSEHQINSSEATFAELIYH 138  
Db 89 LTNNGHSVKNLPSDMHIQGLQSRYSATQLHLHGNPNDPHGSHTVSGQHPAELIYH 148  
QY 139 YDSYSLSBAARPGGLAVLGIILEVGETKNIAVEHILSHLEVRHKDQKTSVPPNL 198  
Db 149 YNSDLYPDASTASNKSGGLAVLAVLEMG-SFNPSYDKIFSHLQHVKKQGEAFVPGFNI 207  
QY 199 RELPKOLGQVFRYNGSLTTPPCYQSVLMTVYFRRSQISMEQLKGLTFSTE-BEBS- 256  
Db 208 EELLPERTAEYRYRGSLLTPPCNPTVMTVFRNPVOISQEQLLALETALYCTHMDPS 267  
QY 257 KLVQNYRALQPLNQRWVAFSFIQAGSSYTTGEMLSIGV-----GILVGLCLLLAVY 309  
Db 268 REMINNFQVOKFEDERLVYTSFSQV--QVCTAAGLSIGIILSLALAGILGICIVVWSIW 325  
QY 310 FIARKIRKRLNKRKSVFTSA-QATTEA 337  
Db 326 LFRKRSIKK--GDNKGVIYKPAKPMETEA 352

RESULT 13  
US-09-585-109-2  
Sequence 2, Application US/09585109  
Patent No. 6242204  
GENERAL INFORMATION:  
APPLICANT: Torczynski, Richard M.  
APPLICANT: Bollon, Arthur P.  
TITLE OF INVENTION: HYBRIDOMAS FOR LUNG CANCER MARKER AND MONOCLONAL  
FILE REFERENCE: 10365/06104  
CURRENT APPLICATION NUMBER: US/09/585,109  
CURRENT FILING DATE: 2000-06-01  
NUMBER OF SEQ ID NOS: 2  
SOFTWARE: Patent in Ver. 2.0  
SEQ ID NO 2  
LENGTH: 354  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-585-109-2

Query Match 39.2%; Score 696.5; DB 2; Length 354;

Best Local Similarity 43.5%; Pred. No. 6.7e-65;  
Matches 143; Conservative 62; Mismatches 109; Indels 15; Gaps 7;

Qy 19 GQHTYBEGPHGQDHPASYPBECGNNASPIDIQDTSVTFDDPLPALQPHGYDQPTBPLD 78  
Db 29 GSKMTYFPGDDEMSKRYPCGGLQSPIDLSHDILQYDASLTPLBFGYNLSANKQFL 88  
Qy 79 LHHNGHTYQLSLPSTLYIGGLPRKYVAAQLHLHWQKSPGSGSEHQINSEATFELHIVH 138  
Db 89 LTNNGHSYKLVLPSPDMHIOGLQSRYSATQHLHMGPNPDPHSGSEHTVSGQHPALHIVH 148  
Qy 139 YDSYSLSEAAERPOGLAVGLIEVGETKNIAEHLHSHLHVRHDKQTSVPPNLL 198  
Db 149 YNSDLVPASTASNKSEGLAVLAVLEMG-SFNPBYDKIFSHLQHVKKKGGEAFVPGFNI 207  
Qy 199 RELLPKQIGQYFRNGSLTTPPCYOSVLTWTFYRRSQISMEQLEKQCTLFSTF-EEPS- 256  
Db 208 EELLPERTAEYRYRGSITTPPCNPVTWTFVRNPVQISOBLALLETALYCTHMDDBSP 267  
Qy 257 KLVQNVYALQPLNQRMWFAFPIQAGSSYTGEMLSIGV-----GIVGCLCLLAVY 309  
Db 268 REMINNFQVQKFERLVYTSFSQV--QVCTAAGLSLGIILSLALAGILGICIVVWSIW 325  
Qy 310 FIARKIRKRLNENKSVVFTSA-QATTEA 337  
Db 326 LFRKRSIKK--GDNKGVIYKPAETMETEA 352

RESULT 14  
US-09-949-016-6043  
; Sequence 6043, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYOMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: C1001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 6043  
; LENGTH: 354  
; TYPE: PRT  
; ORGANISM: Human  
; US-09-949-016-6043

Query Match 39.2%; Score 696.5; DB 2; Length 354;  
Best Local Similarity 43.5%; Pred. No. 6.7e-65;  
Matches 143; Conservative 62; Mismatches 109; Indels 15; Gaps 7;

Qy 257 KLVQNVYALQPLNQRMWFAFPIQAGSSYTGEMLSIGV-----GIVGCLCLLAVY 309  
Db 268 REMINNFQVQKFERLVYTSFSQV--QVCTAAGLSLGIILSLALAGILGICIVVWSIW 325  
Qy 310 FIARKIRKRLNENKSVVFTSA-QATTEA 337  
Db 326 LFRKRSIKK--GDNKGVIYKPAETMETEA 352

RESULT 15  
PCT-US95-09145A-2  
; Sequence 2, Application PC/TUS9509145A  
; GENERAL INFORMATION:  
; APPLICANT:  
; TITLE OF INVENTION: Lung Cancer Marker  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: RICHARDS, MEDLOCK & ANDREWS  
; STREET: 1201 Elm Street, Suite 4500  
; CITY: Dallas  
; STATE: TX  
; COUNTRY: US  
; ZIP: 75270-2197  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/09145A  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: John A. Harre  
; REGISTRATION NUMBER: 37,345  
; REFERENCE/DOCKET NUMBER: B3792C1PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 214-939-4500  
; TELEFAX: 214-939-4600  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 354 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; PCT-US95-09145A-2

Query Match 39.2%; Score 696.5; DB 4; Length 354;  
Best Local Similarity 43.5%; Pred. No. 6.7e-65;  
Matches 143; Conservative 62; Mismatches 109; Indels 15; Gaps 7;

Qy 19 GQHTYBEGPHGQDHPASYPBECGNNASPIDIQDTSVTFDDPLPALQPHGYDQPTBPLD 78  
Db 29 GSKMTYFPGDDEMSKRYPCGGLQSPIDLSHDILQYDASLTPLBFGYNLSANKQFL 88  
Qy 79 LHHNGHTYQLSLPSTLYIGGLPRKYVAAQLHLHWQKSPGSGSEHQINSEATFELHIVH 138  
Db 89 LTNNGHSYKLVLPSPDMHIOGLQSRYSATQHLHMGPNPDPHSGSEHTVSGQHPALHIVH 148  
Qy 139 YDSYSLSEAAERPOGLAVGLIEVGETKNIAEHLHSHLHVRHDKQTSVPPNLL 198  
Db 149 YNSDLVPASTASNKSEGLAVLAVLEMG-SFNPBYDKIFSHLQHVKKKGGEAFVPGFNI 207  
Qy 199 RELLPKQIGQYFRNGSLTTPPCYOSVLTWTFYRRSQISMEQLEKQCTLFSTF-EEPS- 256  
Db 208 EELLPERTAEYRYRGSITTPPCNPVTWTFVRNPVQISOBLALLETALYCTHMDDBSP 267  
Qy 257 KLVQNVYALQPLNQRMWFAFPIQAGSSYTGEMLSIGV-----GIVGCLCLLAVY 309  
Db 268 REMINNFQVQKFERLVYTSFSQV--QVCTAAGLSLGIILSLALAGILGICIVVWSIW 325  
Qy 310 FIARKIRKRLNENKSVVFTSA-QATTEA 337

Thu Mar 9 14:40:49 2006

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Page 18

Db 326 LFRKSIK--GDNKGVIYKPEATMETEA 352

Search completed: March 7, 2006, 13:10:29  
Job time : 61 secs